

GARDEN TRACTOR PARTS MANUAL

SOVEREIGN

GTH-L

900 Series

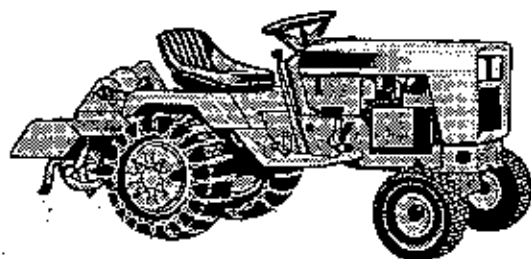
2800 Series

7100 Series

Attachments

&

Accessories



Product Identification:

When ordering parts, keep your products serial number and manufacturer's number in mind. Variations may occur in a part between early & later model products, causing the product serial number to be listed in the parts description whenever these variations occur. Record your I.D. numbers here for quick, future reference.

Product Mfg. No. _____ S/N _____ Mower Mfg. No. _____ S/N _____

Attention:

Standard torques appear in a chart at the end of the manual, while important individual torques are given on specific parts drawings. **CRITICAL** and **MAJOR** notations point out important facts or instructions which relate to personal safety and proper machine operation. Any **CRITICAL** notation **(C)** which may appear in this book, pinpoints characteristics which, if not properly followed, can create a safety hazard. Any **MAJOR** notation **(M)** which may appear in this book, marks characteristics which, if not properly followed, may result in operating failure, shortened product life, or greatly reduced quality of the unit. For your convenience, assembly notes are included in parts drawings to assist in repair and assembly of unit.

SIMPLICITY BRAND PRODUCTS

OILS - SPECIFICALLY BLENDED OF HIGH QUALITY BASE OILS & ADDITIVES.

Special Worm Gear Oil: Required for protection of brass gears and mating parts.

- **Cold Weather Worm Gear Oil** for snowthrowers with worm gear drive. 8 Oz. Bottle, Part #1704636, Case of 12-8 Oz. Bottles, Part #1685406.

Multi-Purpose Hydraulic/Transmission Oil for use in most hydraulic applications, and hydrostatic transmissions. Specific Simplicity applications: All hydrostatic transmissions, all bevel gear cases. Case of 12 Quarts, Part #1685516, 2-1/2 Gallon Container, Part #1685539.

SAE 5W-30 SF/CD Cold Weather Engine Oil for use in all four cycle and diesel engines at 30° temp. and under. Case of 12 quarts, Part #1685576.

SAE 15W-40 SF/CD Engine Oil for gas and diesel engines, warm weather, see engine manufacturer recommendations. Case of 12 quarts, Part #1685554.

SAE 30W SG/CC Detergent Engine Oil for use in four cycle lawn and garden engines at operating temp. of 32° and above. Also recommended for use in hydrostatic transmissions where 30W oil is specified. Case of 12 quarts, Part #1685659.

DEGREASER, DEGRIMER, PARTS CLEANER removes grease, oil, dirt and grime without harming paint or decals.

- 1 Quart w/Trigger Spray 1685619
- 1 Gallon Bottle 1685621
- Extension Sprayer for Gallon Bottle 1685623

TOUCH-UP PAINT keeps equipment in showroom condition.

Spray Cans	Quarts	Daubers-12 Per Ctn.
For Products Built After 8/1/89.		
"Deep Orange" 13 Oz. Can 1685611 Case 12 Cans 1685614	1685612	1685616 Mixed 6 Deep Or./ 6 White 1/2 Oz. Bottles
"Gloss Black" 13 Oz. Can 1685639 Case 12 Cans 1685640	1685641	N/A
"White" 13 Oz. Can 103049 Case 12 Cans 1685178	1685032	See Above
"Red" 13 Oz. Can 1685722	N/A	N/A

Consult decal on equipment for proper color.

AVAILABLE ACCESSORIES:

DESIGNER SEAT COVERS are double stitched, easy care vinyl. Keeps new seats new, makes worn seats look new.

Small Seat Cover w/Pocket, Part #1685540. Fits all Rear Engine Riders, FC, RT Series Tractors.

Large Seat Cover w/Pocket, Part #1685541. Fits all 12.5 & 16 LT and GT Series Tractors.

Seat Cover, Part #1685577. Fits all 18 & 20 GTH Tractors.

PNEUMATIC TIRE SEAL seals all leaks including bead leaks and punctures up to 3/16 inch diameters. Prevents flats for tread life of tire. Available in following amounts.

- Case of 12 -11 Oz. Tubes 1685537
- Case of 24 -11 Oz. Tubes 1685525
- 5 Gallon Pail 1685527

HOUR METER KIT, Part #1685535.

GREASE GUN KIT has 12" flexible hose to get into tight spots with ease. Kit contains: gun and 1-8 Oz. tube of grease. Part #1685510. For replacement tube, order Part #103077.

CHROME "Moon" Hubcaps

- 4" Rim 163114
- 6" Rim 156210
- 8" Rim 156211
- 10" Rim 1667762
- 12" Rim 154505

Extend Equipment Life - Use Only Genuine Simplicity Parts & Accessories
Available at Your Local Simplicity Dealer

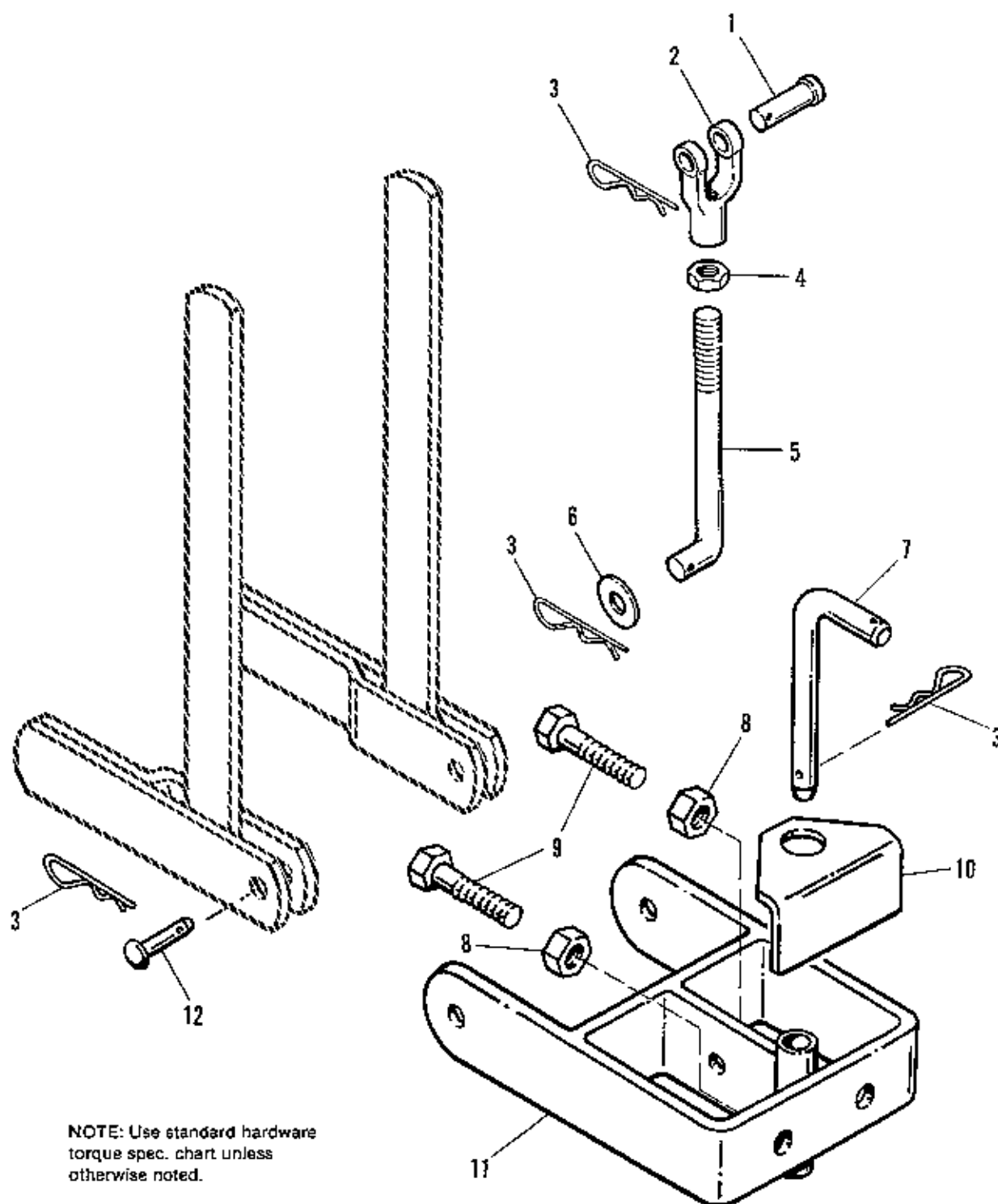
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NOTES

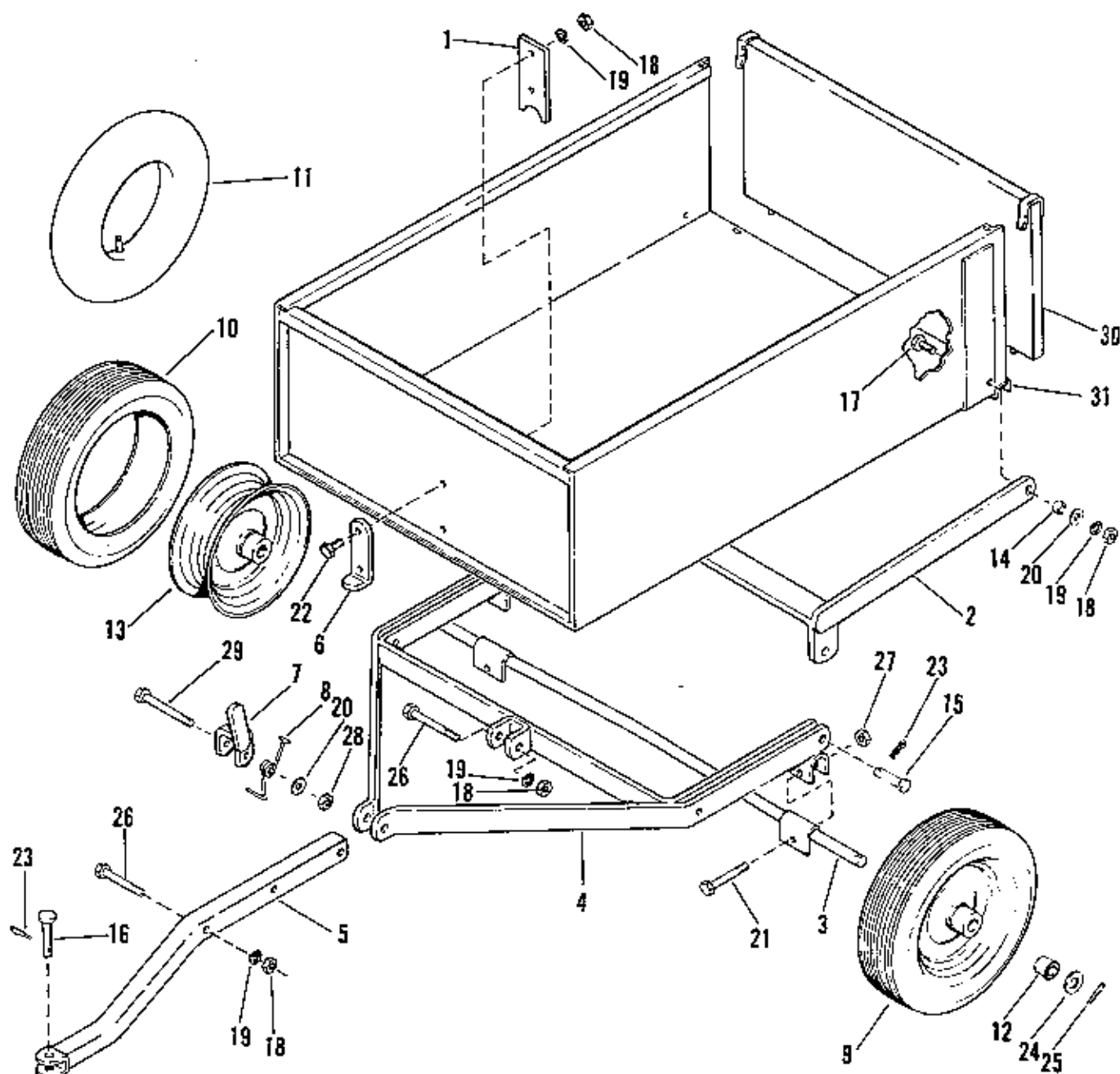


NOTE: Use standard hardware torque spec. chart unless otherwise noted.

One-Point Hitch

Ref. No.	Part No.	Qty.	Description
1	154305	1	PIN, YOKE
2	154304	1	YOKE, End Adj.
3	106788	5	CLIP, Spring
4	1919262	1	LOCKNUT, Hex, Jam, 1/2-20
5	1604349	1	ROD, Lift
6	1924361	1	WASHER, Plain, 1/2
7	1603321	1	PIN, Hitch
8	*1915726	2	NUT, Hex, Full, 5/8-11
9	927340	2	CAPSCREW, Hex Hd., 5/8-11 x 2-1/4
10	1603816	1	PLATE, Stabilizer
11	1675373	1	CLEVIS ASSY.
12	155037	2	PIN

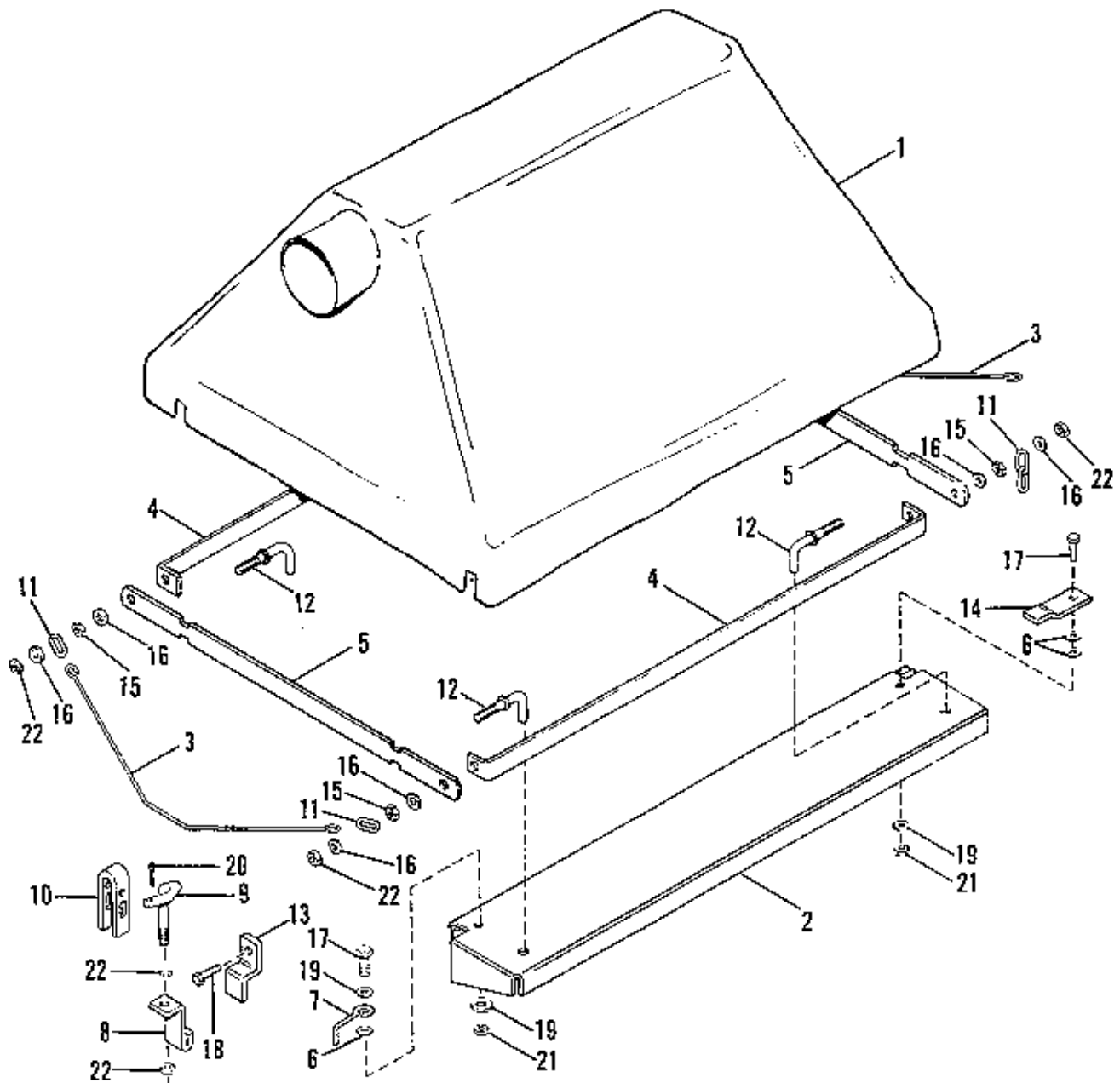
*Used with early model clevis only; later models have nuts welded to clevis.



NOTE: Use standard hardware
torque spec. chart unless
otherwise noted.

Dump Cart

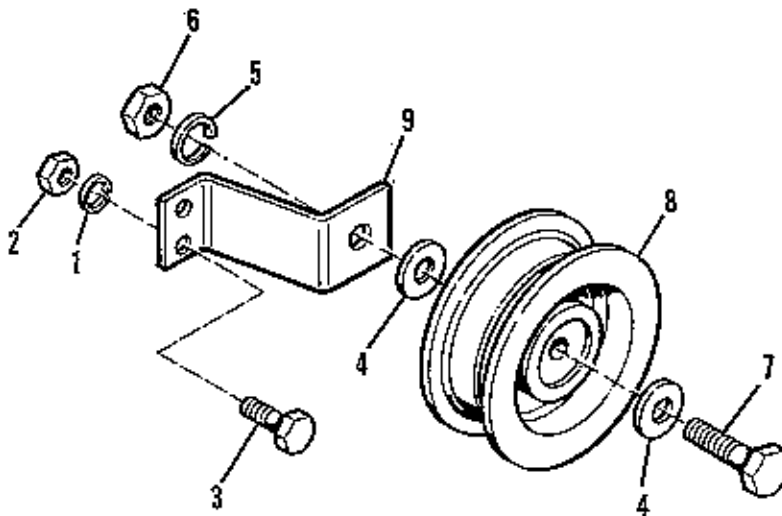
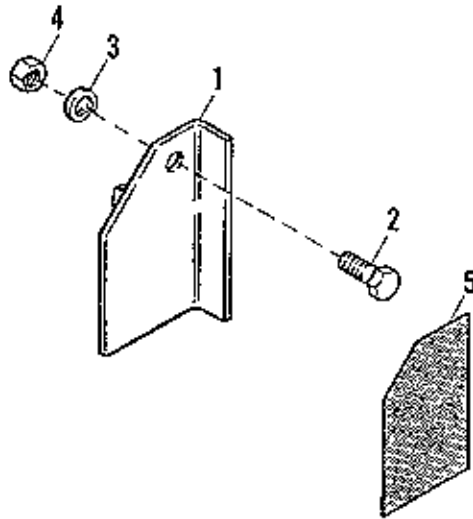
Ref. No.	Part No.	Qty.	Description
1	102005	1	PLATE, Box Guide
2	102024	1	PIVOT, Box Assy.
3	102027	1	AXLE ASSY.
4	102035	1	FRAME ASSY.
5	102037	1	TONQUE ASSY.
6	102040	1	PLATE, Box Catch
7	102051	1	CLEVIS ASSY.
8	102075	1	SPRING, Torsion
9	1713992	2	WHEEL & TIRE ASSY. (Incl. Ref. Nos. 10 - 13
10	1713994	2	TIRE
11	153038	2	TUBE, 4.00 x 8
12	156316	4	BEARING
13	1713993	2	WHEEL
14	8151076	2	BUSHING
15	102004	2	PIN, Pivot
16	105249	1	PIN
17	1921210	2	CAPSCREW, Hex, 3/8-16 x 1
18	916950	6	NUT, Hex, Full, 3/8-16
19	916965	6	LOCKWASHER, 3/8
20	917378	3	WASHER, 3/8
21	1921978	2	CAPSCREW, 5/16-18 x 2
22	1920415	2	CAPSCREW, Hex, 3/8-16 x 1-1/4
23	1918196	3	PIN, Quick
24	1918433	2	WASHER, Plain, 3/4
25	1918459	2	PIN, Cotter, 3/16 x 1-1/2
26	1922130	2	CAPSCREW, Hex, 3/8-16 x 2-1/4
27	1923362	2	NUT, Hex, Full, 5/16-18
28	1930651	1	NUT, Hex, Full, 3/8-16
29	930596	1	CAPSCREW, Hex, 3/8-16 x 2-3/4
30	1668462	1	END GATE ASSY.
31	1668478	1	BODY, Trailer



NOTE: Use standard hardware
torque spec. chart unless
otherwise noted.

Vacuum Collector Cart Cover

Ref. No.	Part No.	Qty.	Description
1	177917	1	COVER, Cart
2	178187	2	PANEL, Side
3	178188	2	BAIL
4	178191	2	BAR, Reinforcement, Side
5	178192	2	BAR, Reinforcement, End
6	159134	6	WASHER, Special
7	163065	2	STOP, Belt
8	170000	2	LATCH
9	170001	2	LATCH, Rod
10	170002	2	LEVER
11	170134	6	LINK, Repair
12	178189	4	PIN
13	178190	1	BRACKET
14	178198	2	BRACKET
15	1916950	4	NUT, Hex, 3/8-16
16	1917378	8	WASHER, Plain, 3/8
17	1921332	4	CAPSCREW, Hex Hd., 5/16-18 x 3/4
18	1920415	2	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
19	1917642	6	WASHER, Plain, 5/16
20	1918452	2	COTTER PIN, 1/8 x 1
21	1923362	4	LOCKNUT, Hex, 5/16-18 x 17/64
22	1930651	8	LOCKNUT, Hex, Full, 3/8-16



Mfg. Nos. 1685167, 1685170

Stop Assy. Kit (6-Speed & Hydro)

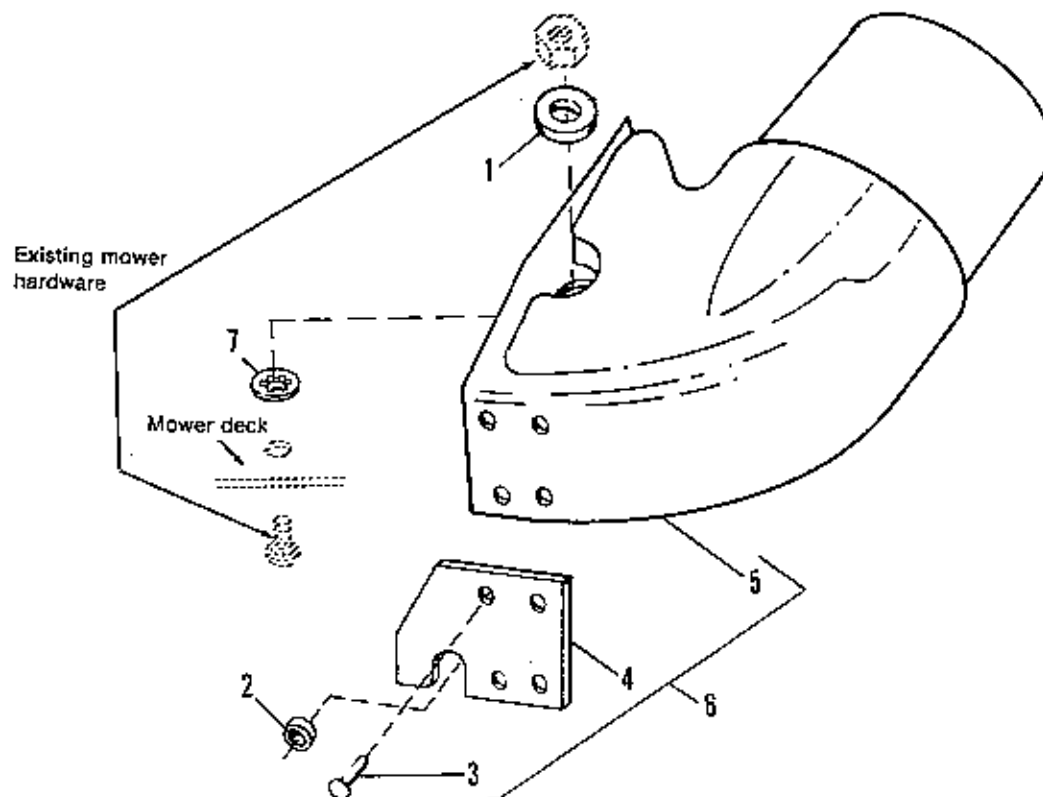
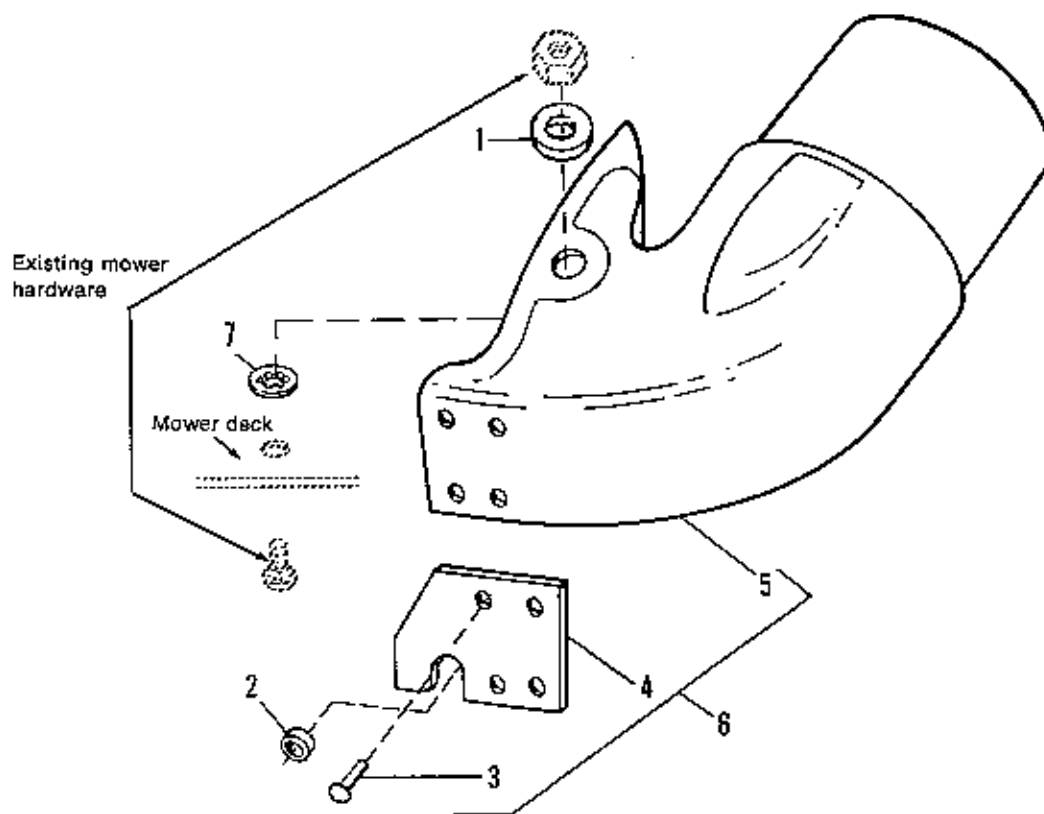
Ref. No.	Part No.	Qty.	Description
*1		1	STOP ASSY., (Six-Speed) STOP ASSY., (Hydro)
2	1922126	1	CAPSCREW, Hex, 5/16-18 x 3/4
3	1917358	1	LOCKWASHER, 5/16
4	1917372	1	NUT, Hex, Full, 5/16-18
5	1667175	1	DECAL, Adjustment

*For replacement, order complete kit.

Mfg. No. 1685225

Rear P.T.O. Drive Kit

Ref. No.	Part No.	Qty.	Description
1	1671696	2	LOCKWASHER, 5/16
2	917372	2	NUT, Hex, 5/16-18
3	921332	2	CAPSCREW, 5/16-18 x 3/4, Gr. 5
4	917378	2	WASHER, Plain
5	916965	1	LOCKWASHER, 3/8
6	916950	1	NUT, Hex, 3/8-16
7	920415	1	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4, Gr. 5
8	1657712	1	PULLEY, Idler
9	1671233	1	BRACKET, Idler



Mfg. Nos. 1690026

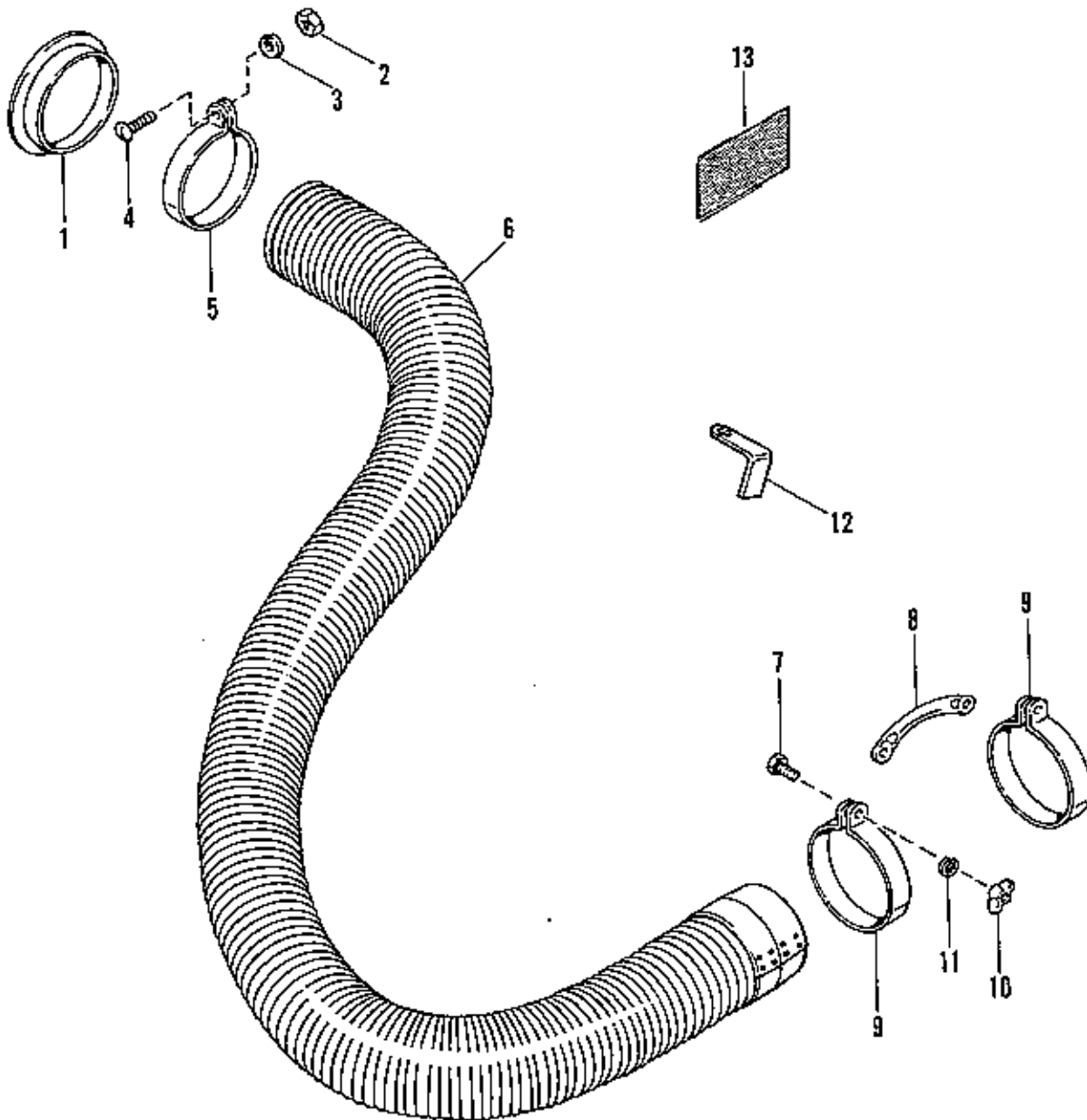
48" Vacuum Collector Adapter

Ref. No.	Part No.	Qty.	Description
1	1924356	1	WASHER
2	1663752	1	SPACER
3	928706	4	RIVET, Tubular, Oval Hd., 3/6 x 5/16
4	177044	1	PLATE, Adaptor
5		1	ADAPTOR, 48" (See Ref. No. 6)
6	177045	1	ADAPTOR ASSY, 48" (Incl. Ref. Nos. 3, 4, 5)
7	931942	1	NUT, Push Pal, 3/8

Mfg. Nos. 1690027

42" Vacuum Collector Adapter


Ref. No.	Part No.	Qty.	Description
1	1924356	1	WASHER
2	1663752	1	SPACER
3	928706	4	RIVET, Tubular, Oval Hd., 3/6 x 5/16
4	177044	1	PLATE, Adaptor
5		1	ADAPTOR, 42" (See Ref. No. 6)
6	177047	1	ADAPTOR ASSY., 42" (Incl. Ref. Nos. 3, 4, 5)
7	931942	1	NUT, Push Pal, 3/8



NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	123111	1	FLANGE, Hose
2	1916622	1	NUT, Hex, 1/4-20
3	1916964	1	LOCKWASHER, Spring, 1/4
4	1928866	1	SCREW, Rd. Hd., 1/4-20 x 3
5	123065	1	CLAMP, Hose
6	123127	1	HOSE ASSY.
7	1921332	2	CAPSCREW, Hex Hd., 5/16-18 x 3/4
8	123129	1	HANDLE, Hose
9	123128	2	CLAMP, Hose
10	1918468	2	NUT, Wing, 5/16-18
11	1917356	2	LOCKWASHER, Spring, 5/16
12	1664122	1	STOP, Belt
13	1668683	1	DECAL, Warning

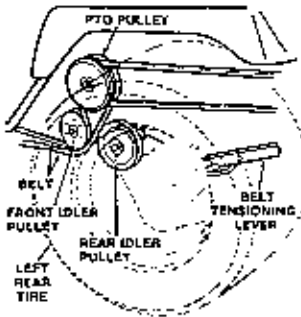
Safety Decal (Ref. No. 13)



WARNING

FOR YOUR SAFETY

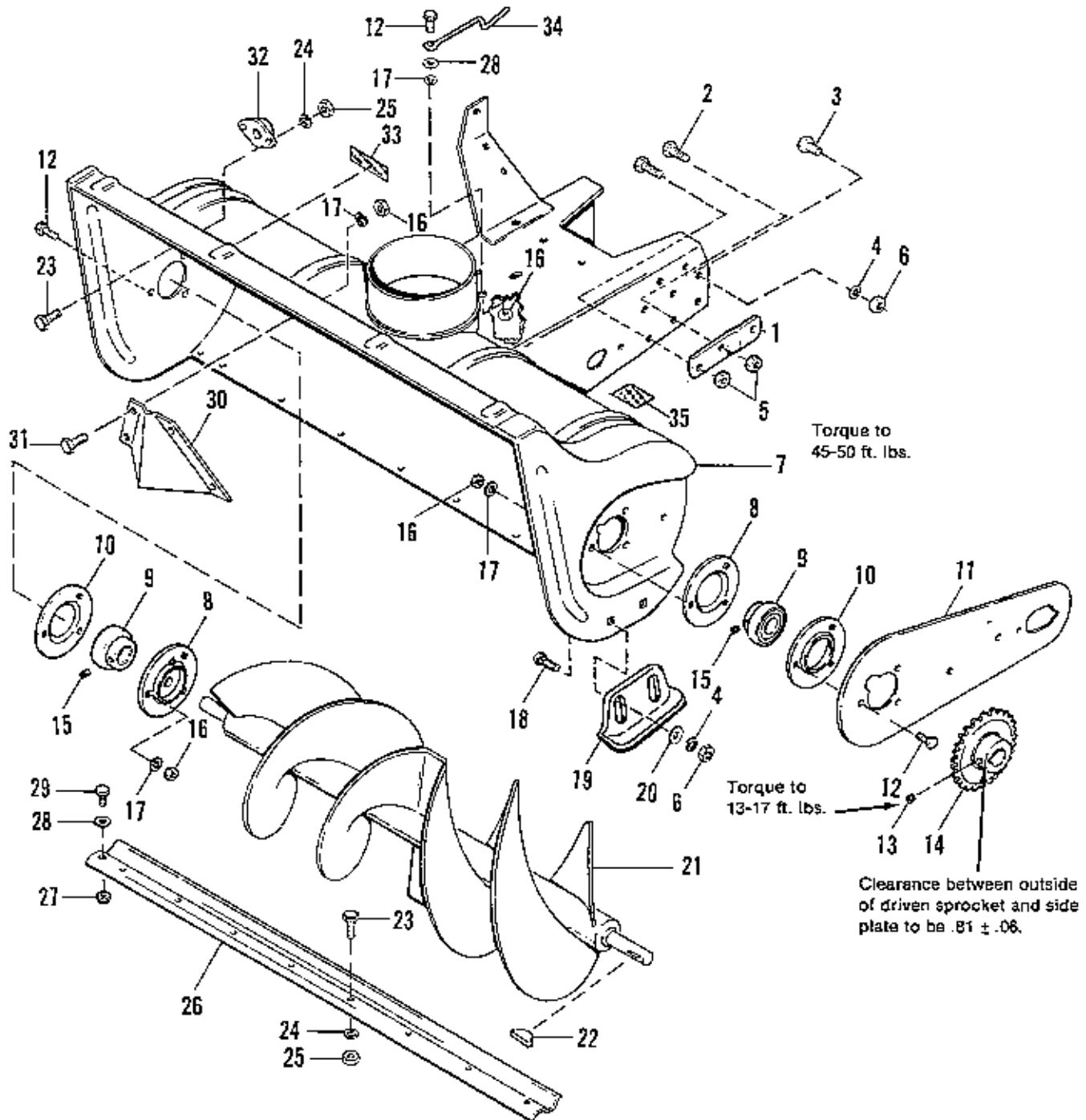
Do not operate the vacuum collector with any part detached except with roving nozzle installed and mower disengaged.



To disengage mower use the following procedure.

1. With engine and all motion stopped, reach behind left rear tire and push the belt tensioning lever down and forward.
2. Raise the seat deck. Use a board or other object to support the seat deck so it cannot fall forward.
3. Grasp the belt behind the rear idler pulley and slip it off the pulley. Position the belt in front of the pulley and place in pulley groove. Pull the belt tensioning lever back and up.
4. The two belt sections must be trapped between the two idler pulleys as shown. The belt must form a loop around the PTO pulley so belt is not tight in PTO pulley groove.
5. Lower the seat deck before starting the engine.

NOTE: Refer to roving nozzle operator's manual for more information.



NOTE: Use standard hardware torque spec. chart unless otherwise noted.

36" & 42" Snowthrower - Body & Rotor Group

Ref. No.	Part No.	Qty.	Description
1	177565	2	CLIP, Frame
2	1920676	4	CAPSCREW, Hex Hd., 7/16-14 x 1
3	1922586	2	CAPSCREW, Hex Hd., 3/8-16 x 5/8
4	1916965	6	LOCKWASHER, 3/8
5	1930650	4	LOCKNUT, Flange, 2-Way Lock, 7/16-14
6	1916950	6	NUT, 3/8-16
7	1713541	1	BODY & FRAME ASSY., (36" only)
	1713542	1	BODY & FRAME ASSY., (42" only)
8	172279	2	FLANGE, Bearing, w/Fitting
9	173934	2	BEARING, Cartridge w/Setscrow
10	172278	2	FLANGE, Bearing
11	171221	1	PLATE, Side
12	1917397	7	CAPSCREW, Hex Hd., 5/16-18 x 3/4
13	1918691	1	SETSCREW, Socket Hd., 5/16-18 x 5/16
14	106653	1	SPROCKET
15	1928692	2	SETSCREW, 1/4-28 x 1/4
16	1917372	11	NUT, Hex, 5/16-18
17	1917356	11	LOCKWASHER, 5/16
18	1922110	4	CARRIAGE BOLT, 3/8-16 x 3/4
19	1713424	2	SKID
20	1917378	4	WASHER, Plain, 3/8
21	106856	1	ROTOR ASSY. (36" only)
	106748	1	ROTOR ASSY. (42" only)
22	151040	1	KEY, Hi-Pro
23	1921959	10	CAPSCREW, 1/4-20 x 5/8 (Qty. 9 on 36" only)
24	1916964	11	LOCKWASHER, 1/4 (Qty. 9 on 36" only)
25	1916622	10	NUT, Hex, 1/4-20 (Qty. 9 on 36" only)
26	106863	1	SCRAPER, Body (36" only)
	106368	1	SCRAPER, Body (42" only)
27	1923362	2	LOCKNUT, 5/16-18
28	1917377	3	WASHER, Plain, 1/4
29	1925205	2	CAPSCREW, Hex Hd., 5/16-18 x 5/8, Gr. 5
30	106774	1	DEFLECTOR
31	913318	4	CAPSCREW, Hex Hd., 5/16-18 x 5/8
32	171388	1	BEARING
33	161247	1	DECAL, Safety
34	1650226	1	STOP, Belt
35	1677485	1	DECAL, Danger

Safety Decals

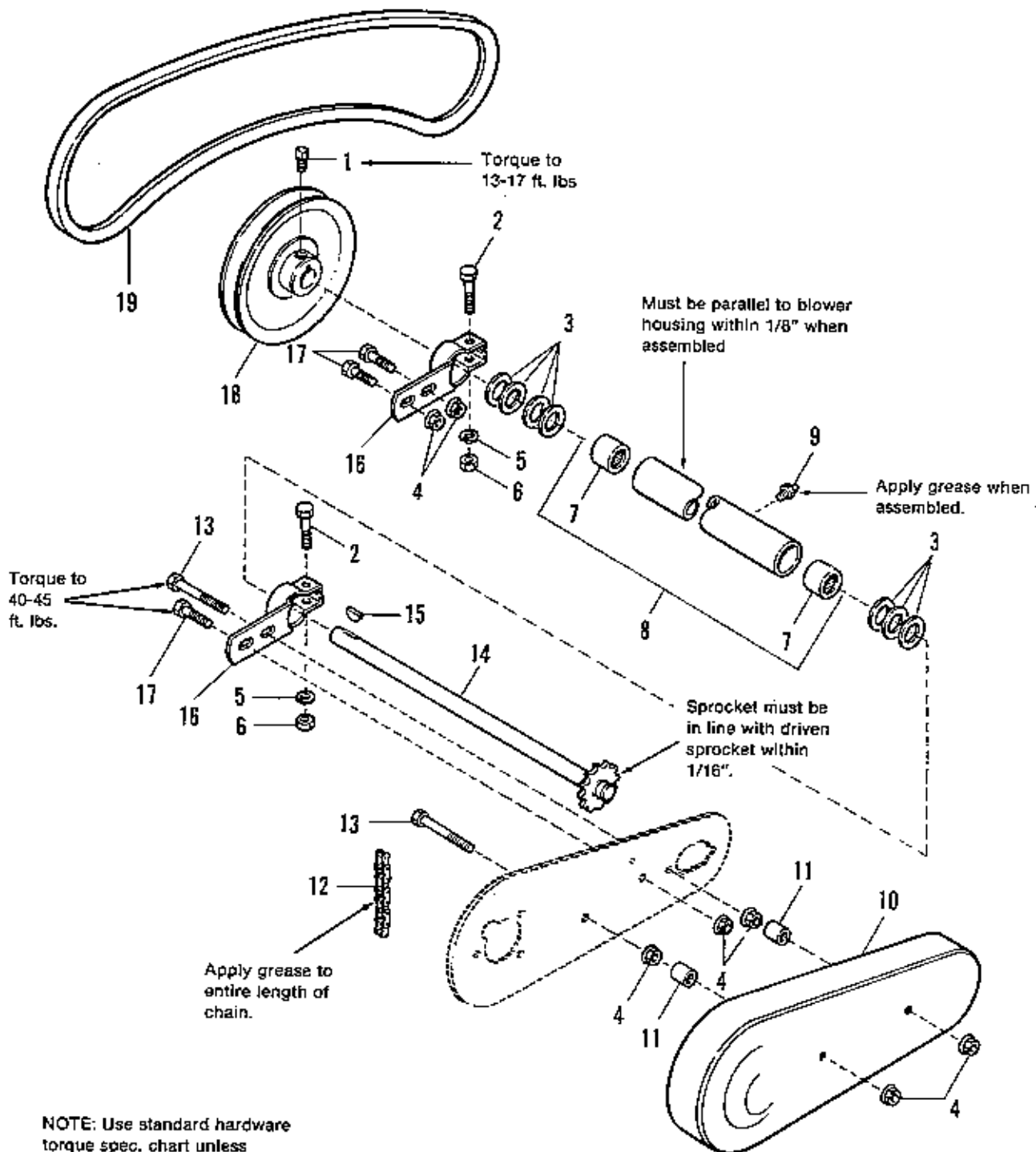
Ref. No. 33 & Ref. No. 35

CAUTION
TO AVOID POSSIBLE INJURY

- REFER TO OPERATOR'S MANUAL FOR SAFETY AND OPERATING INSTRUCTIONS.
- KEEP ALL GUARDS AND SHIELDS IN PLACE.
- STOP ENGINE, REMOVE KEY, AND BE SURE ALL MOVING PARTS HAVE COME TO A COMPLETE STOP BEFORE SERVICING OR UNPLUGGING.
- DO NOT USE BANDAIDS TO UNPLUG CHUTE OR AUGER.
- ALWAYS DIRECT DISCHARGE SO AS TO AVOID INJURY OR DAMAGE TO PERSONS OR PROPERTY.
- NEVER ALLOW ANYONE IN FRONT OF OPERATING MACHINE.

DANGER

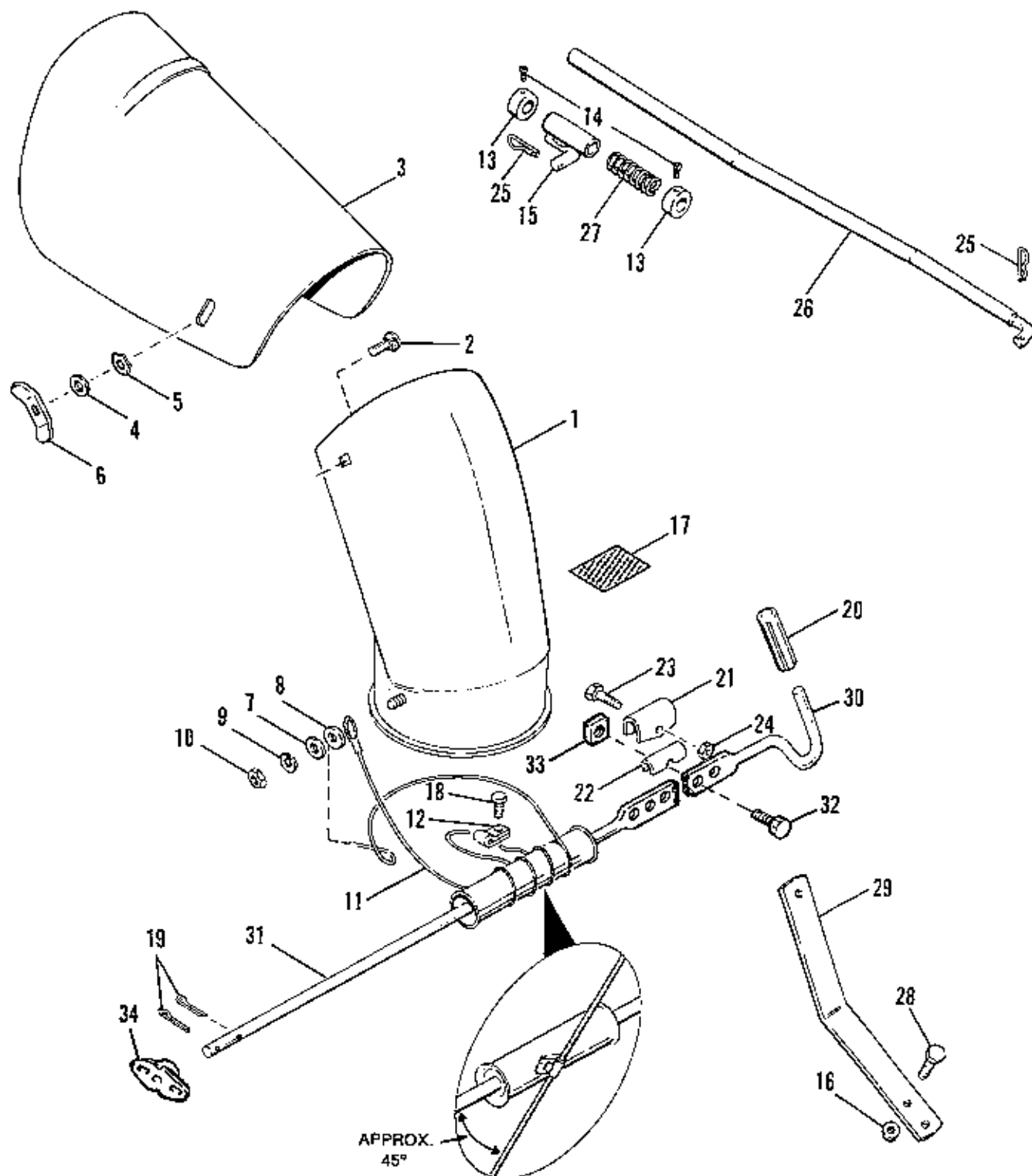
Avoid injury from rotating auger:
Keep hands, feet, and clothing away.



NOTE: Use standard hardware torque spec. chart unless otherwise noted.

36" & 42" Snowthrower - Drive Group

Ref. No.	Part No.	Qty.	Description
1	1928721	1	SETSCREW, Sq. Hd., 5/16-18 x 1/2
2	1922127	2	CAPSCREW, Hex Hd., 5/16-18 x 1-3/4
3	8061012	7	WASHER
4	1928352	7	LOCKNUT, Flange, 3/8-16
5	1917356	2	LOCKWASHER, 5/16
6	1917372	2	NUT, 5/16
7	154248	2	BEARING, Needle
8	1651084	1	BEARING & HOUSING ASSY. (36" only)
	1650955	1	BEARING & HOUSING ASSY. (42" only)
9	921133	1	FITTING, Grease
10	1676738	1	GUARD, Chain
11	1669105	2	SPACER
12	171242	1	CHAIN
13	1960244	2	SCREW, Whizlock, 3/8-16 x 2-3/4
14	106860	1	SHAFT ASSY. (36" only)
	106757	1	SHAFT ASSY. (42" only)
15	905123	1	KEY, Woodruff, #9, 3/16 x 3/4
16	1666145	2	CLAMP, Housing
17	928728	3	SCREW, Whizlock, 3/8-16 x 1
18	171248	1	PULLEY
19	174224	1	V-BELT

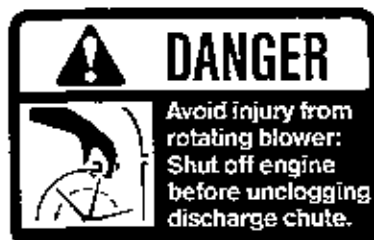


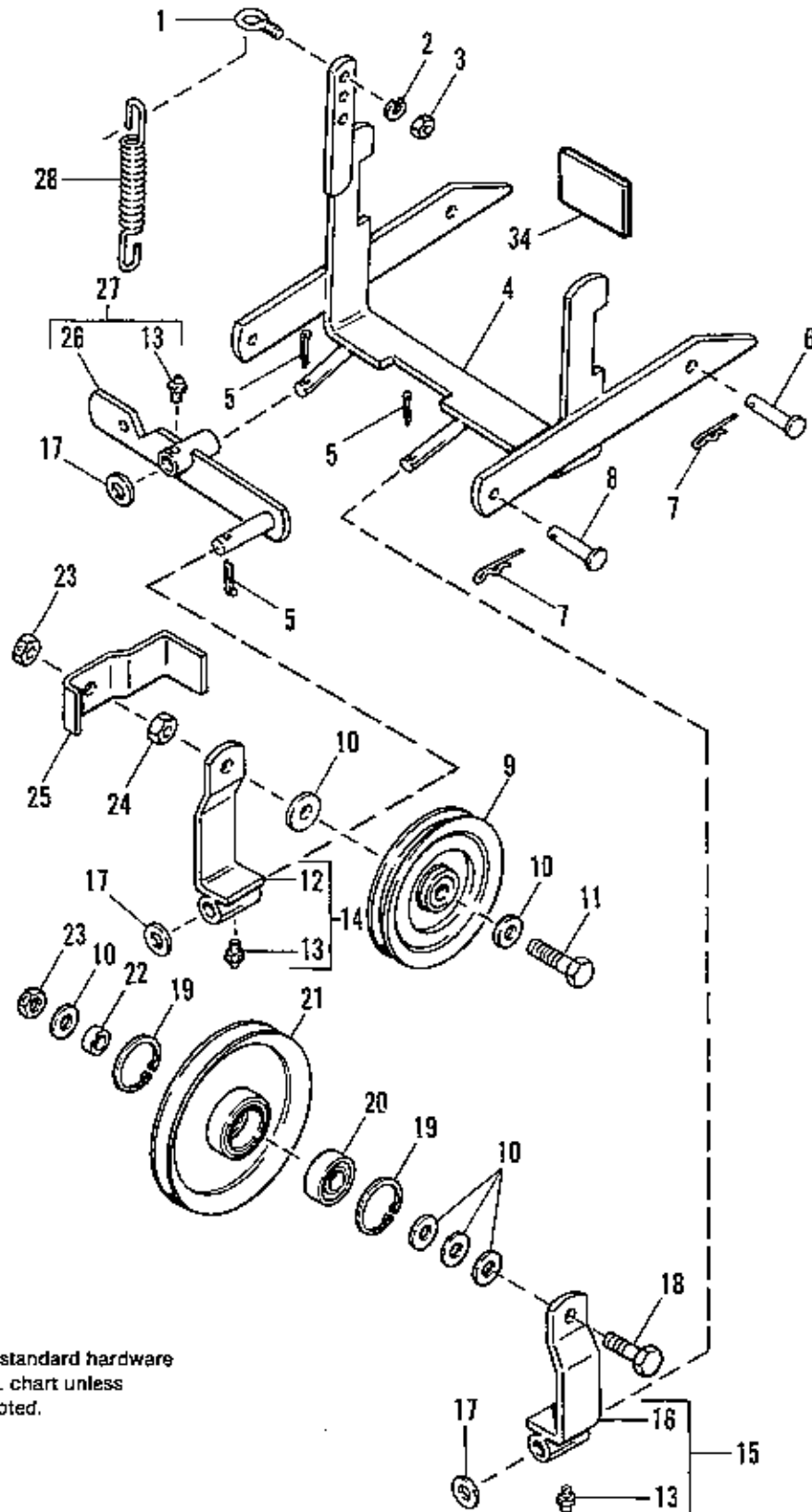
NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1666172	1	SPOUT ASSY.
2	1920582	2	CARRIAGE BOLT, 5/16-18 x 3/4
3	106760	1	EXTENSION, Spout
4	1917378	2	WASHER, Plain, 3/8
5	1930665	2	LOCKWASHER, Dished, 3/8
6	106229	2	NUT, Wing
7	171379	1	WASHER, Cup
8	1917377	1	WASHER, Plain, 1/4
9	1917356	1	LOCKWASHER, 5/16
10	1917372	1	NUT, Hex, Full, 5/16-18
11	171362	1	CABLE ASSY.
12	171382	1	CLAMP
13	8031007	2	COLLAR, Set
14	1928721	2	SETSCREW, 5/16-18 x 1/2
15	171679	1	GUIDE ASSY., Rod
16	1930645	2	NUT, Flange, 3/8
17	1677488	1	DECAL, Danger
18	1927428	1	SCREW, Taptite, 1/4-20 x 3/8
19	922000	2	PIN, Cotter, 3/32 x 5/8
20	176933	1	GRIP, Handle
21	152050	1	GUIDE, Rod
22	121175	1	LINER, Guide
23	1921977	1	CAPSCREW, Hex, 5/16-18 x 1-1/4
24	1923362	1	LOCKNUT, Hex, Full, 5/16-18
25	106788	2	CLIP, Spring
26	171680	1	ROD, Front Lift
27	171011	1	SPRING
28	1921210	2	CAPSCREW, Hex, 3/8-16 x 1
29	177567	1	ARM SUPPORT
*30	1713419	1	HANDLE, Spout Control
*31	1713417	1	ROD ASSY., Spout Control
*32	1923325	2	CAPSCREW, Hex Hd., 5/16-18 x 7/8
*33	1935048	2	NUT, Hex, Flange Lock, 5/16-18
*34	171388	1	BEARING, Self-Align, 1/2 I.D.

NOTE: Early style one-piece spout control handles can be replaced with Service Kit Part No. 1686618 which includes Ref. Nos. 30 - 34.

Safety Decal
Ref. No. 17

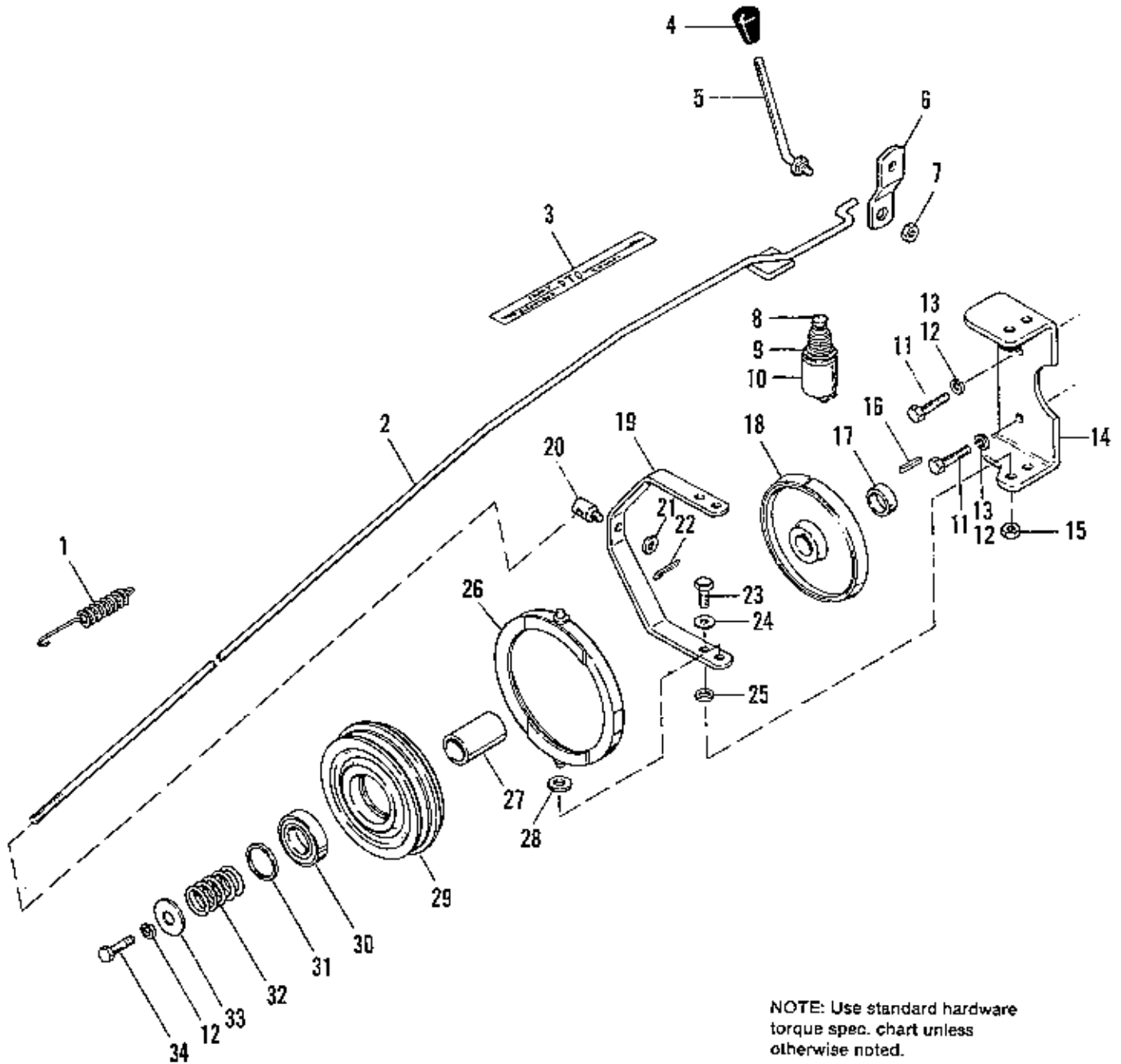




NOTE: Use standard hardware torque spec. chart unless otherwise noted.

36" & 42" Snowthrower - Hitch Group

Ref. No.	Part No.	Qty.	Description
1	172162	1	EYEBOLT
2	1916964	1	LOCKWASHER, 1/4
3	1916622	1	NUT, Hex, 1/4-20
4	1665570	1	HITCH ASSY.
5	1918452	3	PIN, Cotter, 1/8 x 1
6	156306	2	PIN
7	106788	4	CLIP, Spring
8	118053	2	PIN
9	171247	1	PULLEY, Idler
10	1917642	6	WASHER, Plain, 5/16
11	1921971	1	CAPSCREW, Hex, 3/8-16 x 1-3/4
12	174334	1	BRACKET ASSY., Idler (Incl. Ref. No. 13)
13	921133	3	FITTING, Grease
14	174334	1	BRACKET ASSY., Idler
15	174335	1	BRACKET ASSY., Idler
16		1	BRACKET ASSY., Idler (Order Ref. No. 15)
17	193072	3	WASHER
18	1921969	1	CAPSCREW, Hex, 3/8-16 x 1-1/2
19	927695	2	RING, Retaining
20	1705897	1	BEARING
21	1686281	1	PULLEY ASSY., Idler
22	170291	1	SPACER
23	1930851	2	LOCKNUT, Hex, 3/8-16
24	1916950	1	NUT, Hex, 3/8-16
25	176342	1	GUIDE, Belt
26		1	LEVER ASSY., Idler (Order Ref. No. 27)
27	174332	1	LEVER ASSY., Idler
28	173747	1	SPRING

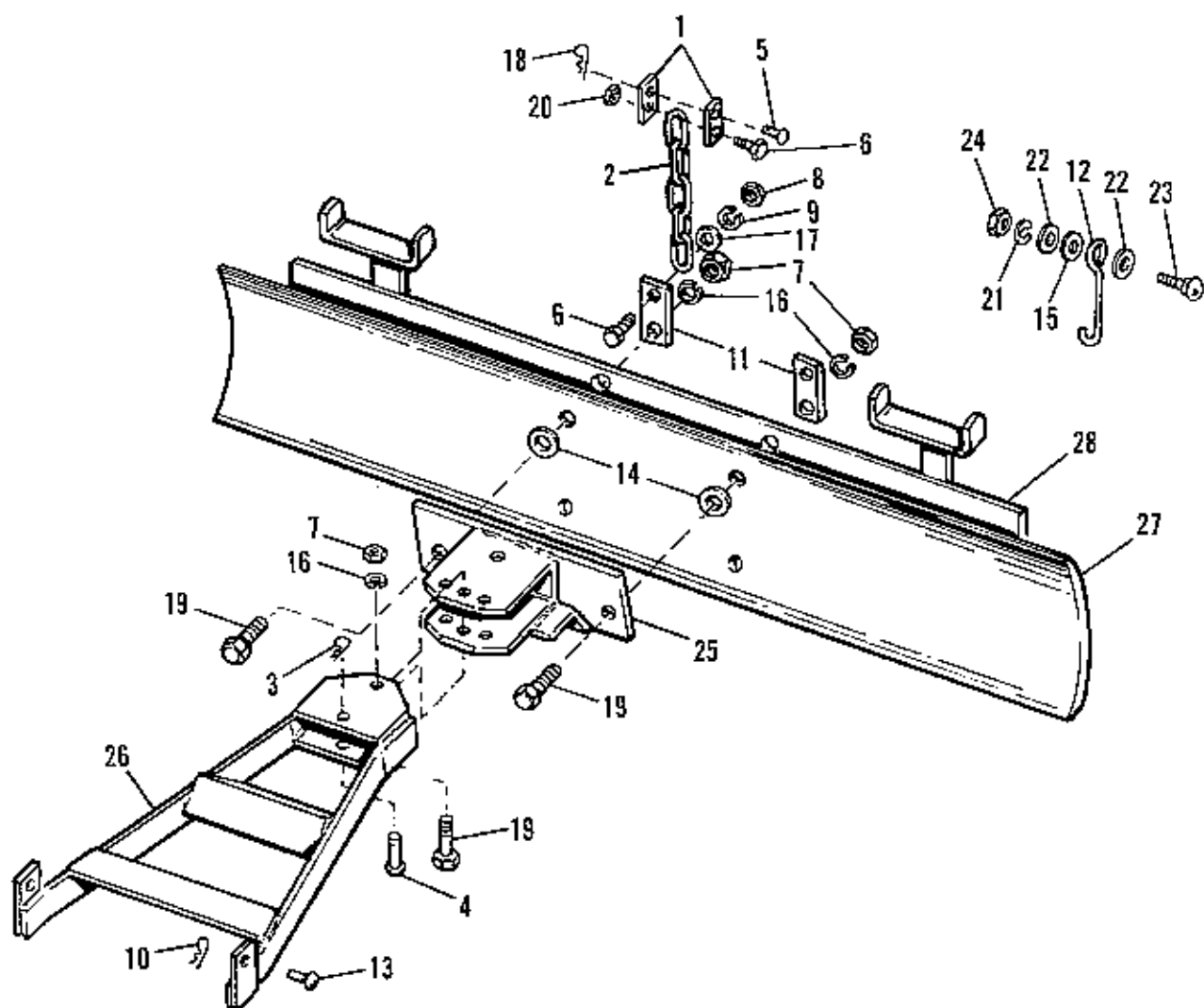


NOTE: Use standard hardware torque spec. chart unless otherwise noted.

36" & 42" Snowthrower - P.T.O. Group

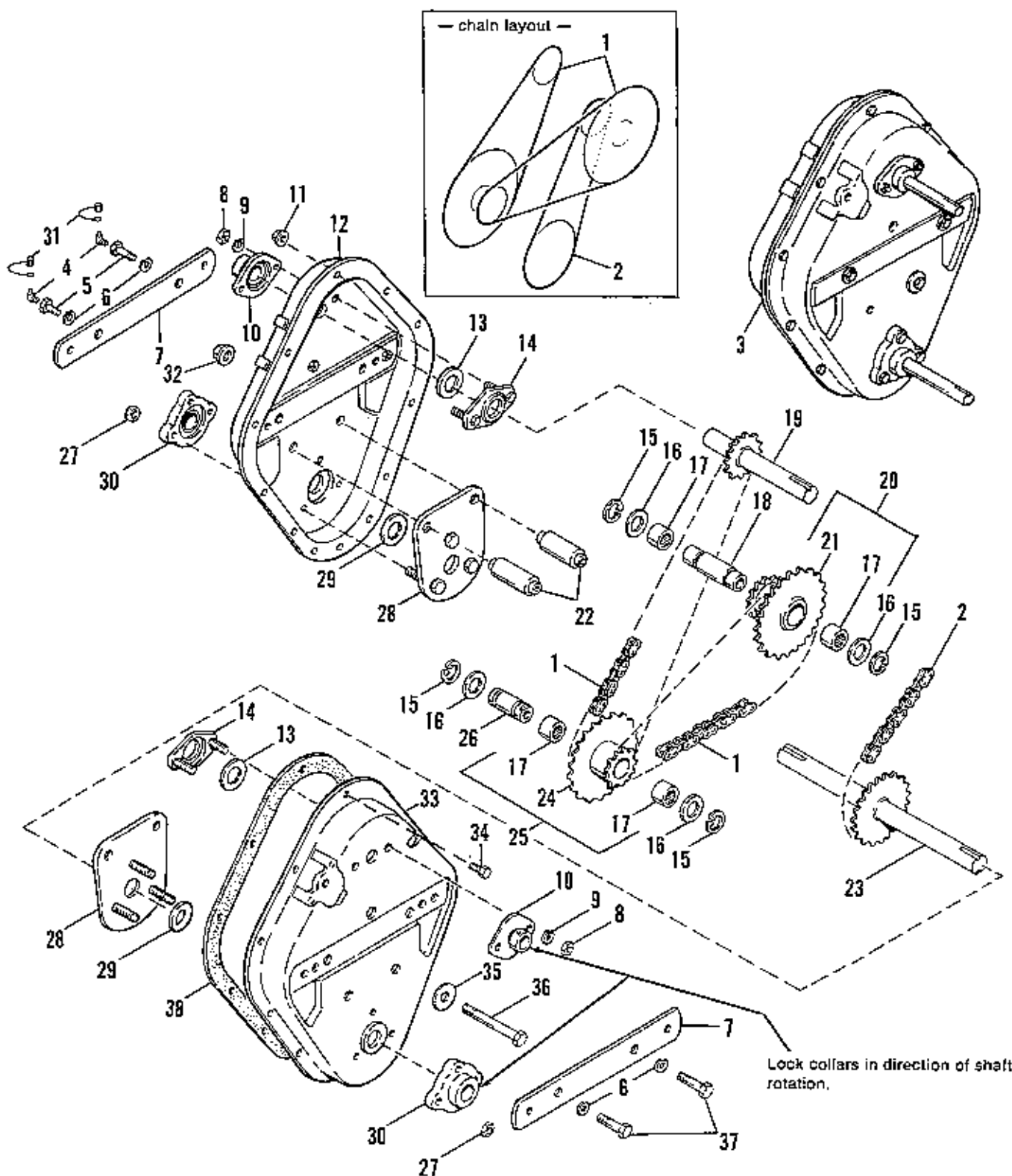
Ref. No.	Part No.	Qty.	Description
1	121037	1	SPRING
2	1663655	1	ROD ASSY., Clutch
3	172517	1	DECAL
4	172038	1	KNOB
5	1651170	1	HANDLE, Clutch Control
6	171319	1	ARM, P.T.O.
7	1930651	1	LOCKNUT, Hex, 3/8-16
8	178282	1	BOOT, Rubber
9	122234	1	NUT, Special
10	122233	1	SWITCH, Safety
11	1921333	2	CAPSCREW, Hex, 5/16-18 x 1 (Briggs engine only)
	1921965	2	CAPSCREW, Hex, 3/8-16 x 3/4 (Kohler engine only)
12	1916965	3	LOCKWASHER, 3/8 (Qty. 1 used on Briggs only)
	1918199	1	LOCKWASHER, 7/16 (Kohler engine only)
13	1917356	2	LOCKWASHER, 5/16 (Briggs engine only)
14	1651027	1	BRACKET
15	1923362	2	LOCKNUT, Hex, 5/16
*16	171241	1	KEY (Briggs engine only)
*17	1651448	1	SPACER (Briggs engine only)
*18	171819	1	PLATE ASSY., Clutch (Briggs engine only)
19	1663501	1	FORK, Clutch
20	172141	1	PIVOT
21	1917642	1	WASHER, Plain, 5/16
22	922000	1	COTTER PIN, 3/32 x 5/8
23	1921332	2	CAPSCREW, Hex, 5/16-18 x 3/4
24	1917377	2	WASHER, Plain, 1/4
25	165034	2	SPACER
26	171947	1	SUPPORT ASSY., Brake
*27	171770	1	SLEEVE (Briggs engine only)
28	156065	1	WASHER
29	171776	1	SHEAVE
30	164048	1	BEARING, Ball
31	108134	1	RING, Backing
32	171772	1	SPRING
33	1651061	1	WASHER
34	923433	1	CAPSCREW, Hex, 3/8-14 x 1-3/4 (Briggs engine only)
	920594	1	CAPSCREW, Hex, 7/16-20 x 2 (Kohler engine only)

* For Kohler engine, see Front P.T.O. Kit, Mfg. No. 1690356.



NOTE: Use standard hardware
torque spec. chart unless
otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	108199	2	LINK, Mower Lift
2	107031	1	CHAIN
3	8021024	1	CLIP, Spring
4	8181008	1	PIN, Pivot
5	153058	1	PIN
6	1921210	2	CAPSCREW, Hex Hd., 3/8-16 x 1
7	1915726	3	NUT, Hex, Full, 5/8-11
8	1916950	1	NUT, Hex, Full, 3/8-16
9	1916965	1	LOCKWASHER, 3/8
10	106788	2	CLIP, Spring
11	107057	2	LINK
12	108551	1	LIFT, Mower
13	118053	2	PIN
14	121210	2	WASHER
15	159134	1	WASHER
16	1917373	3	LOCKWASHER, 5/8
17	1917378	2	WASHER, 7/16
18	1918196	1	PIN, Quick
19	922218	3	CAPSCREW, Hex Hd., 5/8-11 x 3
20	1930651	1	LOCKNUT, Hex, Full, 3/8-16
21	1917356	1	LOCKWASHER, 5/16
22	1917642	2	WASHER, 5/16
23	1920564	1	CARRIAGE BOLT, 5/16-18 x 1-1/4
24	1928698	1	LOCKNUT
25	107058	1	HITCH ASSY.
26	107062	1	BAR ASSY., Draw
27	107056	1	BLADE, 42"
28	172738	1	BRACKET ASSY.

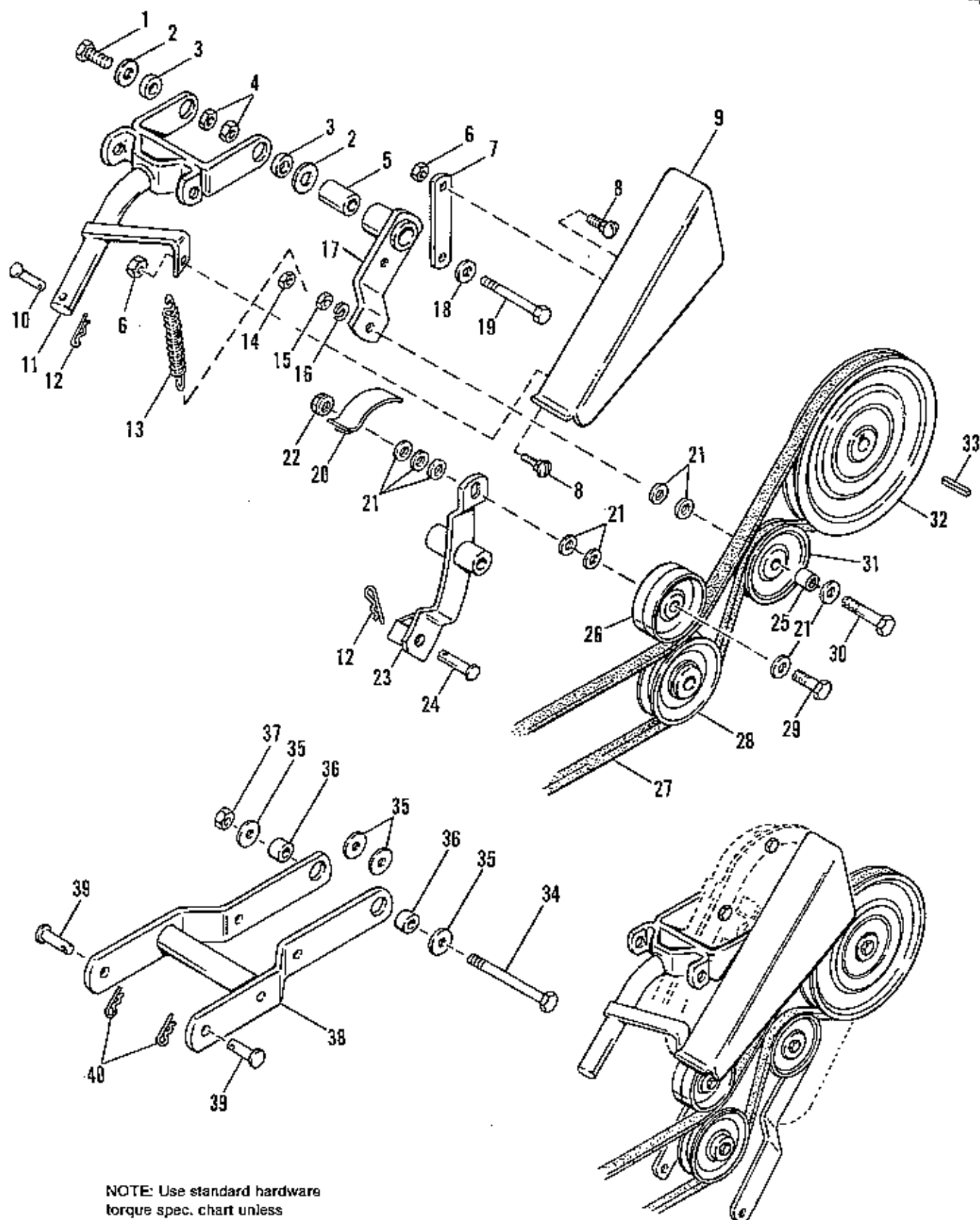


36" Tiller - Housing Group

Ref. No.	Part No.	Qty.	Description
1	105336	2	CHAIN #40
2	178174	1	CHAIN #50
3	1650841	1	TRANSMISSION SUB ASSY. (incl. Ref. Nos. 1-16, 18-38 on this page & Ref. Nos. 1-5, 7, 11, 17, 18, 19, 34, 36 & 38 in the 36" Tiller-Drive Group)
4	915019	2	FITTING, Grease
5	105132	2	BOLT
6	1916966	4	LOCKWASHER, 1/2
7	105320	2	BAR, Side
8	1917372	4	NUT, Hex, Full, 5/16-18
9	1917356	4	LOCKWASHER, 5/16
10	1669337	2	BEARING
11	1923362	14	LOCKNUT, Hex, Full, 5/16-18
12	105366	1	CASE ASSY, Half, R.H.
13	105365	2	SEAL
14	1669338	2	PLATE ASSY., Upper Bearing
15	1927320	4	RING, Retaining
16	8281014	4	WASHER
17	105195	4	BEARING, Roller
18	105192	1	SPACER, Inter
19	105298	1	SHAFT ASSY, Pulley
*20	1650975	1	SPROCKET & BEARING ASSY.
*21		1	SPROCKET ASSY.
22	105360	2	SPACER
23	178177	1	SHAFT ASSY., Tine
**24		1	SPROCKET
**25	1650976	1	SPROCKET & BEARING ASSY.
26	105292	1	SPACER, Inter.
27	1930851	6	LOCKNUT, Hex, Jam, 3/8-16
28	1669298	2	PLATE ASSY.
29	105357	2	SEAL
30	105309	2	BEARING
31	105363	2	CAP, Grease
32	1930644	2	LOCKNUT, Flange, 1/2-13
33	105367	1	CASE ASSY, Half, L.H.
34	1925205	14	CAPSCREW, Hex Hd., 5/16-18 x 5/8
35	1918431	1	WASHER, Plain, 1/2
36	1926158	1	CAPSCREW, Hex Hd., 1/2-13 x 4
37	1929528	2	CAPSCREW, Hex Hd., 1/2-20 x 1
38	105373	1	GASKET

* Ref. No. 20 Includes Ref. Nos. 17 & 21.

** Ref. No. 25 Includes Ref. Nos. 17 & 24.



NOTE: Use standard hardware
torque spec. chart unless
otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1923471	1	CAPSCREW Hex Hd, 7/16-14 x 1-1/4
2	1925125	2	WASHER, Plain, 3/8
3	105346	2	SPACER
4	1930650	2	LOCKNUT, Flange, 7/16-14
5	105339	1	SPACER
6	1927557	2	LOCKNUT, Whiz, 5/16-18
7	105359	1	SUPPORT, Rear Belt Guard
8	920562	2	BOLT, Carriage, 5/16-18 x 3/4
9	105326	1	GUARD, Belt
10	118053	1	PIN
11	1671344	1	BAR ASSY, Lift
12	176012	2	CLIP, Spring (Serviced in 5-pack only)
13	174896	1	SPRING
14	1930651	1	LOCKNUT, 3/8-16
15	1916950	1	NUT, Hex, Full, 3/8-16
16	1916965	1	LOCKWASHER, 3/8
17	105295	1	LEVER ASSY, Clutch
18	1925940	1	WASHER, Plain, 7/16
19	1930585	1	CAPSCREW, Hex Hd, 7/16-14 x 3-1/2
20	176366	1	GUARD ASSY
21	1924940	9	WASHER, Plain, 5/16
22	1928352	1	NUT, Flange, Whizlock, 3/8-16
23	1657777	1	ARM ASSY, Idler
24	156306	1	PIN
25	1666294	2	SPACER
26	1657712	1	PULLEY, Idler
27	105340	1	BELT*V*, Drive
28	105380	1	PULLEY, Idler
29	1923701	1	CAPSCREW, Hex Hd, 3/8-16 x 2
30	1913709	1	CAPSCREW, Hex Hd, 3/8-16 x 3
*31	1685147	1	PULLEY ASSY
32	105302	1	PULLEY
33	157427	1	KEY
34	1926159	1	CAPSCREW, Hex Hd, 1/2-13 x 5
35	1924361	4	WASHER, Plain, 1/2
36	105386	2	SPACER
37	1930644	1	LOCKNUT, Hex, 1/2-13
38	1651844	1	FRAME ASSY
39	155037	2	PIN
40	176012	2	CLIP, Spring (Serviced in 5-pack only)
	1650978	1	ARM SUB ASSY, Idler (Includes Ref Nos 20, 21, 22, 23, 26, 27, 28 & 29)

*Ref No. 31 Includes Ref. No. 25.

Ref. No.	Part No.	Qty.	Description
1	105274	1	PLATE, End Deflector, R.H.
2	1927557	15	LOCKNUT, Flange, 5/16-18
3	1931332	15	CARRIAGE BOLT, 5/16-18 x 5/8
4	105369	1	DEFLECTOR ASSY., R.H.
5	1609700	2	DECAL, Safety
6	105354	1	SHIELD
7	1650461	1	BLADE ASSY., L.H.
8	105330	1	CHANNEL, Reinforcement
9	1921966	2	CAPSCREW, Hex Hd., 3/8-16 x 7/8
10	1930645	1	NUT, Hex, Flange Lock, 3/8-16
11	1650460	1	BLADE ASSY., R.H.
12	105337	4	KEY
13	1933260	2	CAPSCREW, Hex Hd., 3/8-16 x 3/4
14	105273	1	PLATE, End, Deflector, L.H.
15	105370	1	DEFLECTOR ASSY., L.H.
16	1934654	4	SCREW, Hex, Whizlock, 3/8-16 x 1
17	1928867	16	LOCKNUT, Hex, 7/16-20
18	105376	8	BLADE, Tine, R.H.
19	105375	8	BLADE, Tine, L.H.
20	1651504	2	HUB & PLATE ASSY.
21	1920353	16	CAPSCREW, Hex Hd., 7/16-20 x 1-1/2
22	105249	2	PIN
23	1918451	2	COTTER PIN, 1/8 x 3/4

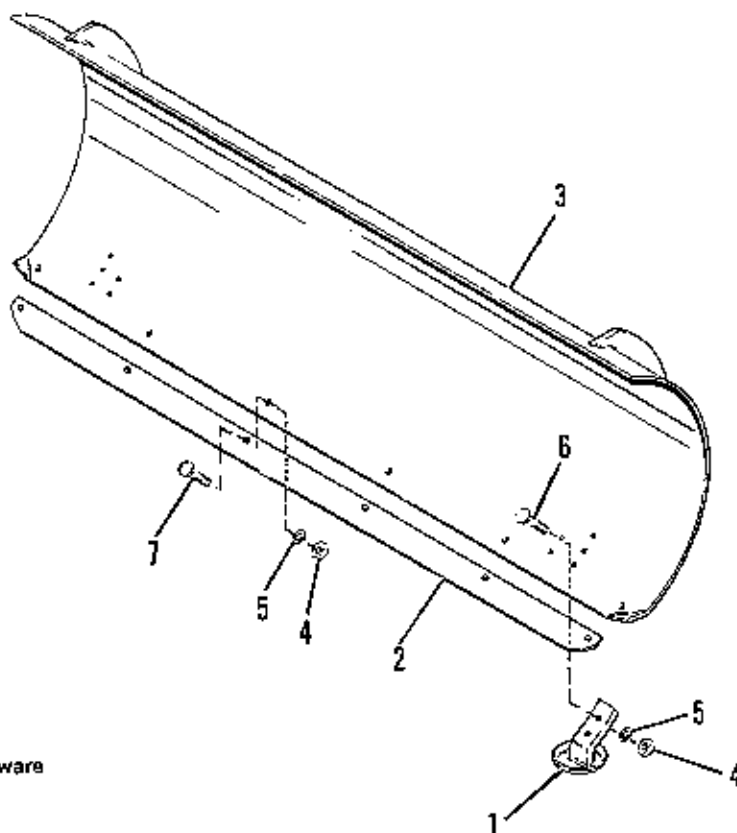
Safety Decal
Ref. No. 5

▲ WARNING

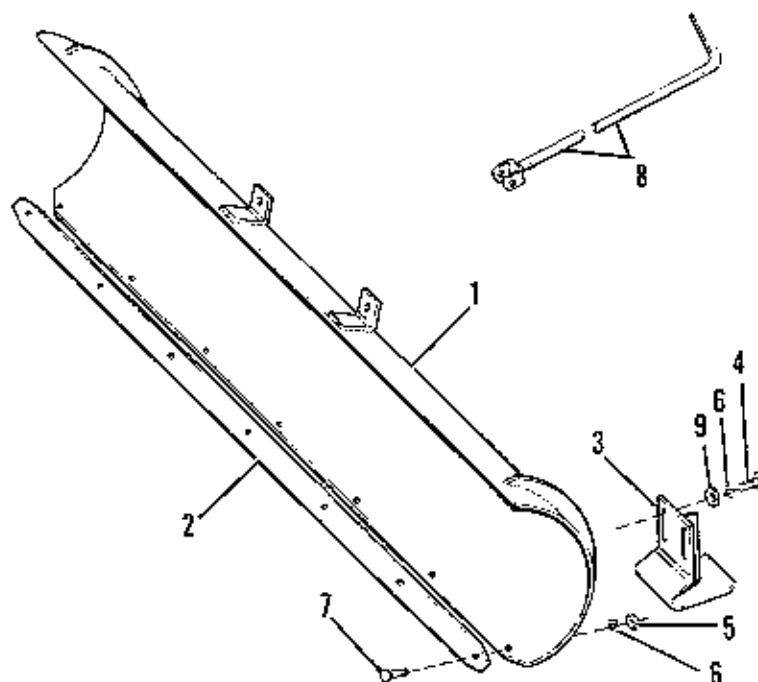
MOVING TILLER TINES
AND BELT DRIVE MAY CAUSE
PERSONAL INJURY.

STAY CLEAR OF TILLER WHEN
TRACTOR ENGINE IS RUNNING.

SHUT OFF TRACTOR AND
REMOVE KEY BEFORE
INSTALLING, SERVICING OR
ADJUSTING TILLER.



NOTE: Use standard hardware
torque spec. chart unless
otherwise noted.



NOTE: Use standard hardware
torque spec. chart unless
otherwise noted.

Mfg. No. 1690085

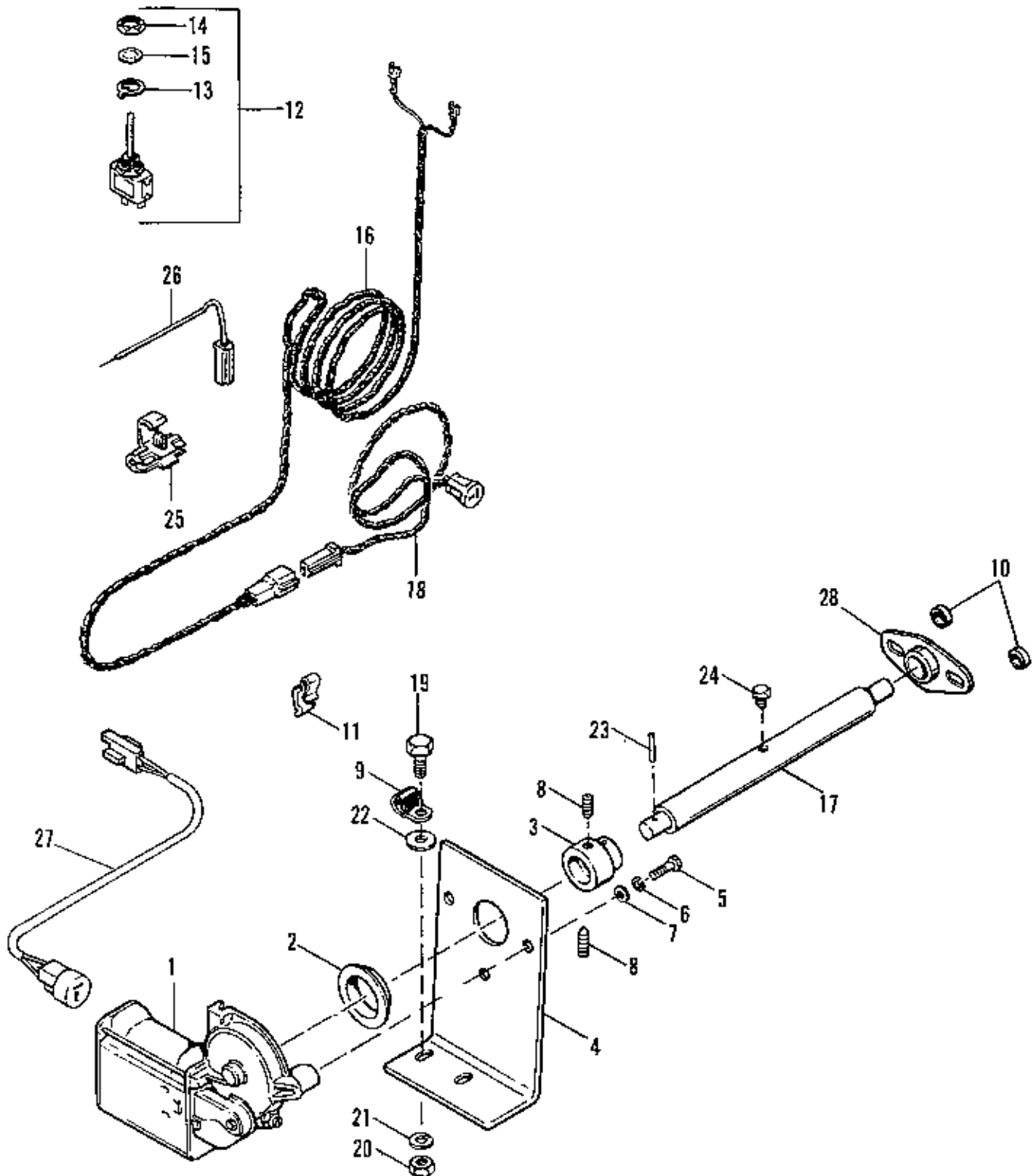
42" Dozer Blade

Ref. No.	Part No.	Qty.	Description
1	107024	2	SHOE ASSY.
2	107045	1	PLATE, Wear
3	107047	1	BLADE ASSY.
4	1916950	10	NUT, Hex, Full, 3/8-16
5	1916965	10	LOCKWASHER, 3/8
6	922249	4	CARRIAGE BOLT, 3/8-16 x 1
7	1922110	6	CARRIAGE BOLT, 3/8-16 x 3/4

Mfg. No. 1690088

46" Dozer Blade

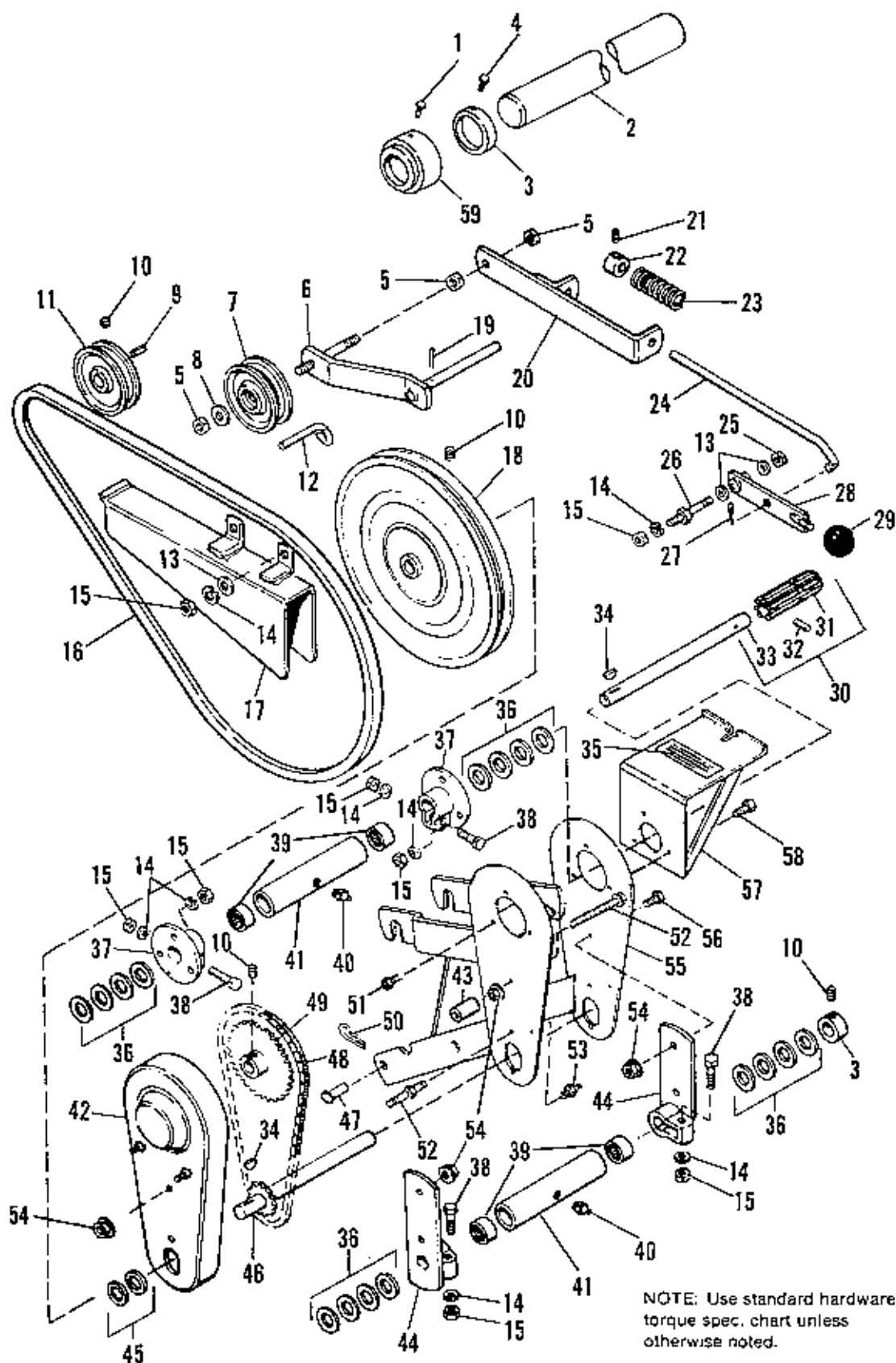
Ref. No.	Part No.	Qty.	Description
1	107096	1	BLADE ASSY.
2	107105	1	PLATE, Wear
3	107106	2	SHOE ASSY.
4	1921965	4	CAPSCREW, Hex Hd., 3/8-16 x 3/4
5	1916950	7	NUT, Hex, Full, 3/8-16
6	1916965	11	LOCKWASHER, 3/8
7	1922249	7	CARRIAGE BOLT, 3/8-16 x 1
8	1607472	1	ROD ASSY., Control
9	1917378	4	WASHER, Flat



Spout Rotator (Snowthrower)

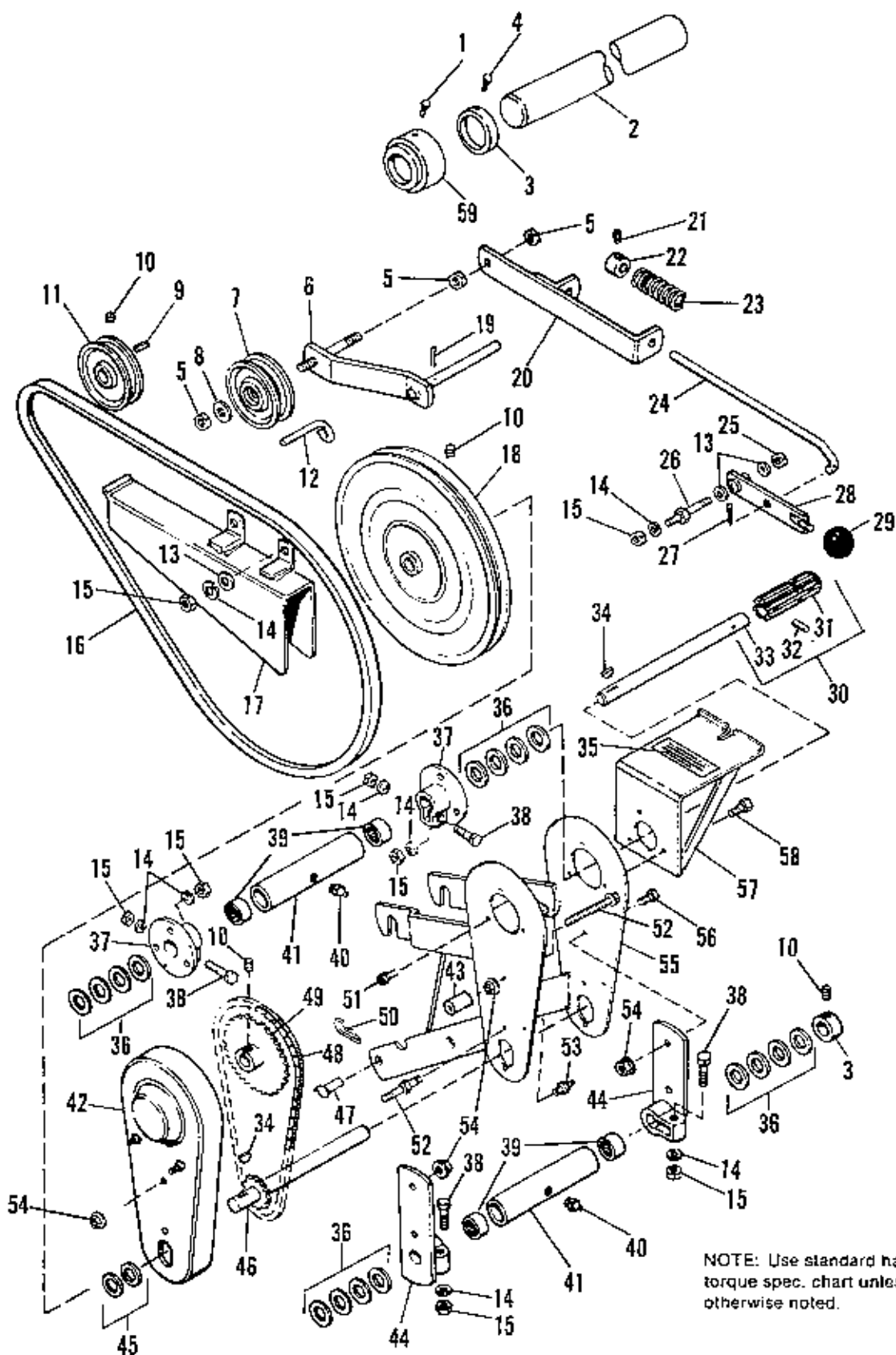
Ref. No.	Part No.	Qty.	Description
* 1	1664115	1	SPOUT CONTROL, Motor
2	174072	1	BEARING, Flange
3	174078	1	HUB
4	176104	1	BRACKET, Motor
5	1923341	3	CAPSCREW, Hex Hd, 1/4-20 x 3/4
6	1916964	3	LOCKWASHER, Spring, 1/4
7	1921319	3	WASHER, Plain, 1/4
8	1930547	2	SCREW, Hex, Skt Hd, #10-24 x 3/8
9	122186	1	CLAMP
10	165034	2	SPACER
11	172436	1	CLIP Cable
12	174428	1	SWITCH, Spout Control
13	1650958	1	RING, Locking
14	1650959	1	NUT
15	1650960	1	LOCKWASHER, Int
16	174504	1	HARNESS ASSY, Switch
17	176102	1	ROD, Spout Control
18	176306	1	HARNESS, Wiring
19	1921210	2	CAPSCREW, Hex Hd, 3/8-16 x 1
20	1916950	2	NUT, Hex, 3/8-16
21	1916965	2	LOCKWASHER, Spring, 3/8
22	1924940	2	WASHER, Plain, 5/16
23	921450	1	PIN, Spring, 5/32 x 1
24	1927428	1	SCREW, Hex, Wash. Hd, Taptite, 1/4-20 x 3/8
25	1605751	1	CONNECTOR
26	1651147	1	WIRE ASSY
*27	1664175	1	ADAPTOR, Harness
28	106491	1	BEARING

*When ordering Ref. No. 1 you must also order Ref. No. 27 unless already equipped.



Ref. No.	Part No.	Qty.	Description
1	1930540	2	SETSCREW, Sq. Hd., 5/16-18 x 5/8
2	154216	1	SHAFT, Lift
3	8021010	1	COLLAR, Set
4	1928721	1	SETSCREW, Sq. Hd., 5/16-18 x 1/2
5	1930651	3	LOCKNUT, Hex, 3/8-16
6	167021	1	PIVOT ASSY.
7	105285	1	PULLEY, Idler
8	1917378	1	WASHER, Plain, 3/8
9	905850	1	KEY, Sq., 3/16 x 1
10	1928691	4	SETSCREW, Hex, Socket Hd., 5/16-18 x 5/16
11	164202	1	PULLEY
12	167032	1	STOP, Belt
13	1917646	4	WASHER, Plain, 5/16
14	1917356	12	LOCKWASHER, 5/16
15	1917372	12	NUT, Hex, Full, 5/16-18
16	1655069	1	BELT, Drive
17	1655046	1	GUARD ASSY., Belt & Pulley
18	167020	1	PULLEY, (Incl. Ref. No. 10)
19	1918452	1	PIN, Cotter, 1/8 x 1
20	8081503	1	GUIDE ASSY., Clutch
21	1928804	1	SETSCREW, Sq. Hd., 1/4-20 x 3/8
22	8191022	1	COLLAR, Set
23	163103	1	SPRING
24	167025	1	ROD, Clutch
25	1923362	1	LOCKNUT, Hex, 5/16-18
26	162063	1	STUD
27	1918447	1	COTTER PIN, 3/32 x 3/4
28	167026	1	HANDLE ASSY.
29	8021050	1	BALL, Knob
30	167014	1	SHAFT ASSY. (Incl. Ref. Nos. 31 & 33)
31		2	SHAFT, Spline (Order Ref. No. 30)
32	167029	1	PIN, Dowel
33		1	SHAFT, PTO (Order Ref. No. 30)

NOTE: Parts Ref. Nos. 34-58 found on following page.

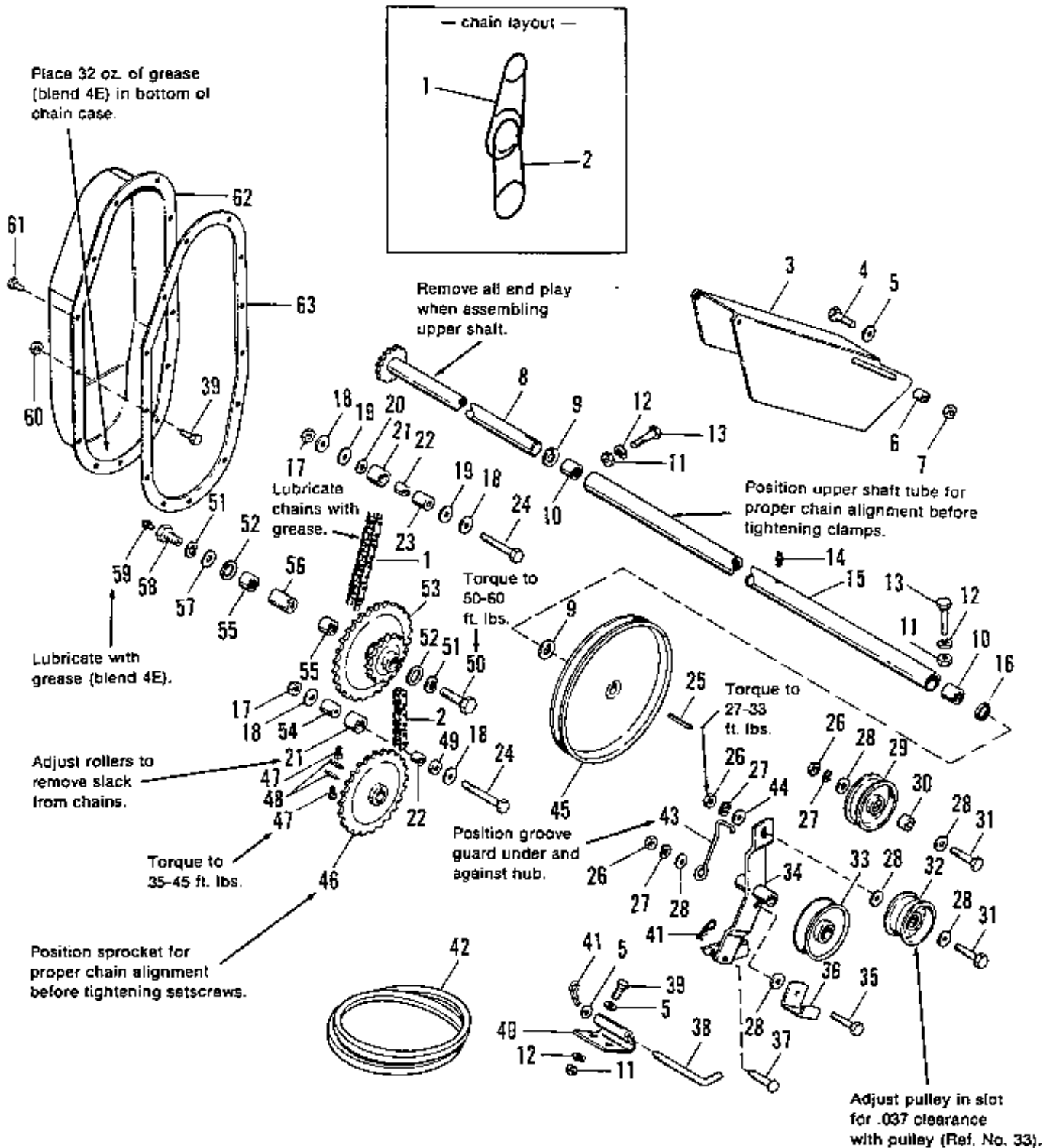


NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
34	905123	2	KEY, Woodruff, #9, 3/16 x 3/4
35	167030	2	DECAL, Warning
36	8061012	16	WASHER
37	167009	2	FLANGE ASSY.
38	1921221	4	CAPSCREW, Hex Hd., 5/16-18 x 1-1/2
39	154258	4	BEARING, Needle
40	912808	2	FITTING, Grease, 1/4-28
41	167006	2	HOUSING, Needle
42	172550	1	GUARD ASSY.
43	121121	1	SPACER, Latch
44	106479	2	SUPPORT ASSY., Clamp
45	108257	4	WASHER
46	167007	1	SHAFT ASSY.
47	155037	2	PIN
48	106058	1	CHAIN
49	167017	1	SPROCKET
50	106788	2	CLIP, Spring (Serviced 5 in a pack)
51	1925205	3	CAPSCREW, Hex Hd., 5/16-18 x 5/8
*52	1933254	2	SCREW, Flange, Whiz., 3/8-16 x 2-1/4 (Later models)
		2	STUD (Earlier models)
53	913958	1	FITTING, Grease, Drive, 1/4
54	1928352	6	NUT, Hex, Whizlock, 3/8-16
55	167001	1	FRAME ASSY.
56	1921965	2	CAPSCREW, Hex Hd., 3/8-16 x 3/4
57	167011	1	GUARD ASSY., PTO
58	1921332	3	CAPSCREW, Hex Hd., 5/16-18 x 3/4
59	157695	1	COLLAR, Set

*To replace Stud on early model tractors, order Kit No. 1685135 which includes one each of Part Nos. 121121, Spacer; 928532, Nut; and 933254, Screw.

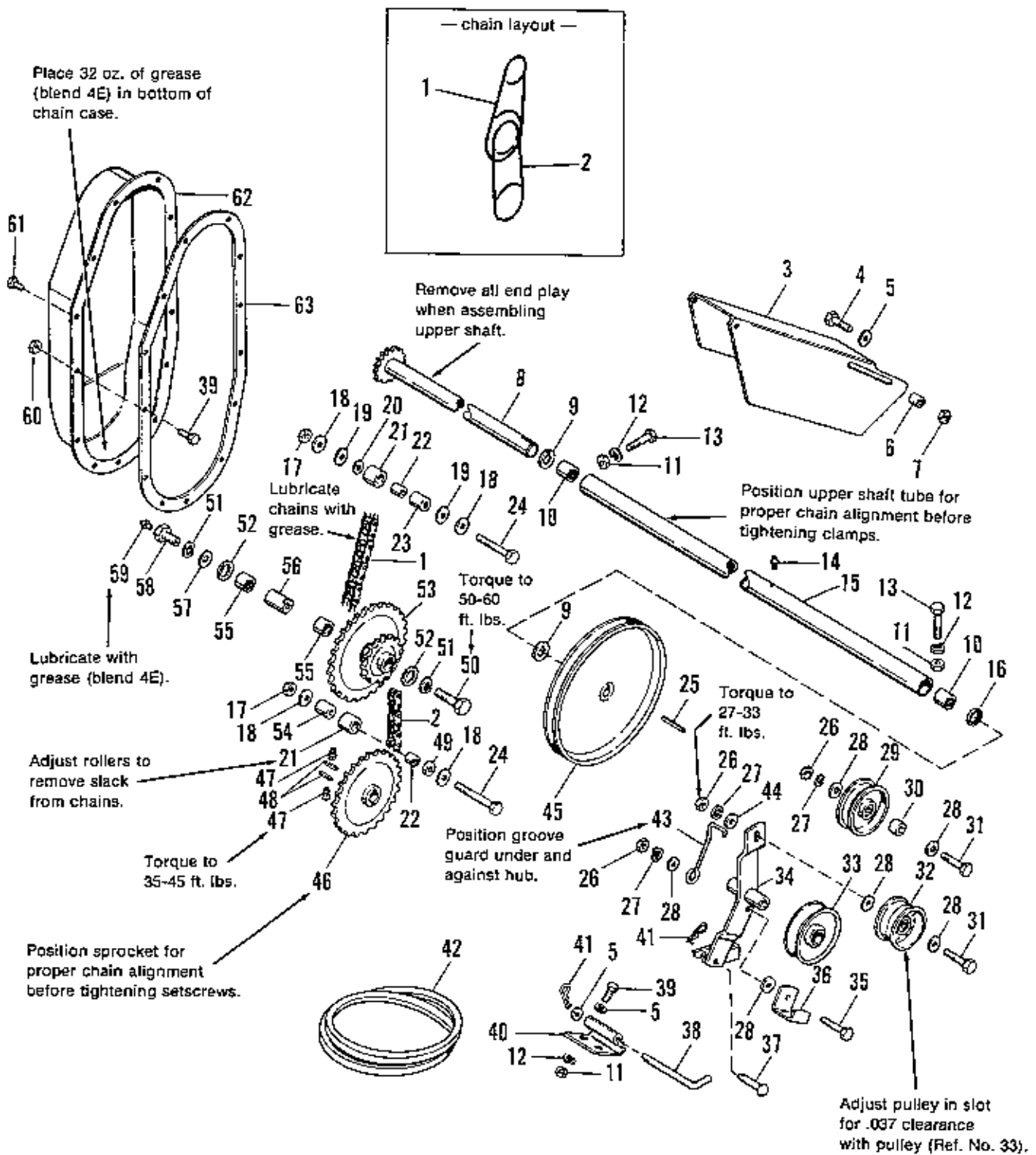
NOTE: Parts Ref. Nos. 1-33 are found on preceding page.



38" Tiller - Clutch & Drive Group

Ref. No.	Part No.	Qty.	Description
1	172496	1	CHAIN, Roller
2	172497	1	CHAIN, Roller
3	1657560	1	GUARD, Belt
4	1921960	2	CAPSCREW, Hex Hd., 1/4-20 x 1
5	1917377	5	WASHER, Plain, 1/4
6	1657929	2	SPACER
7	1923358	2	LOCKNUT, Hex, 1/4-20
8	1657690	1	SHAFT ASSY.
9	8061012	2	WASHER
10	172747	2	BEARING, Needle
11	1917372	4	NUT, Hex, Full, 5/16-18
12	1917356	4	LOCKWASHER, 5/16
13	1921221	2	CAPSCREW, Hex, 5/16-18 x 1-1/2
14	914687	1	FITTING, Grease
15	1657394	1	HOUSING ASSY.
16	1657386	1	SEAL
17	1930651	2	LOCKNUT, Hex, 3/8-16
18	1924356	4	WASHER, Special
19	170368	2	WASHER
20	157424	1	WASHER, Special
21	170177	2	ROLLER
22	170369	2	SPACER
23	172452	1	SPACER
24	1922648	2	CAPSCREW, Hex Hd., 3/8-16 x 4
25	905123	1	KEY
26	1916950	3	NUT, Hex, Full, 3/8-16
27	1916965	3	LOCKWASHER, 3/8
28	1917642	6	WASHER, 5/16
29	1665436	1	PULLEY, Idler
30	1666294	1	SPACER
31	1921969	2	CAPSCREW, Hex Hd., 3/8-16 x 1-1/2
32	1657712	1	PULLEY ASSY., Idler
33	105380	1	PULLEY
34	1657777	1	ARM ASSY., Idler
35	1920415	1	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
36	105351	1	GUARD, Belt
37	156306	1	PIN
38	1657562	1	ROD, Pivot
39	1925205	14	CAPSCREW, Hex Hd., 5/16-18 x 5/8
40	1657593	1	BRACKET, Guard Pivot
41	106787	2	CLIP, Spring
42	1657517	1	BELT, "V", Drive
43	1657852	1	GUARD, Groove
44	153052	1	WASHER
45	1657513	1	PULLEY

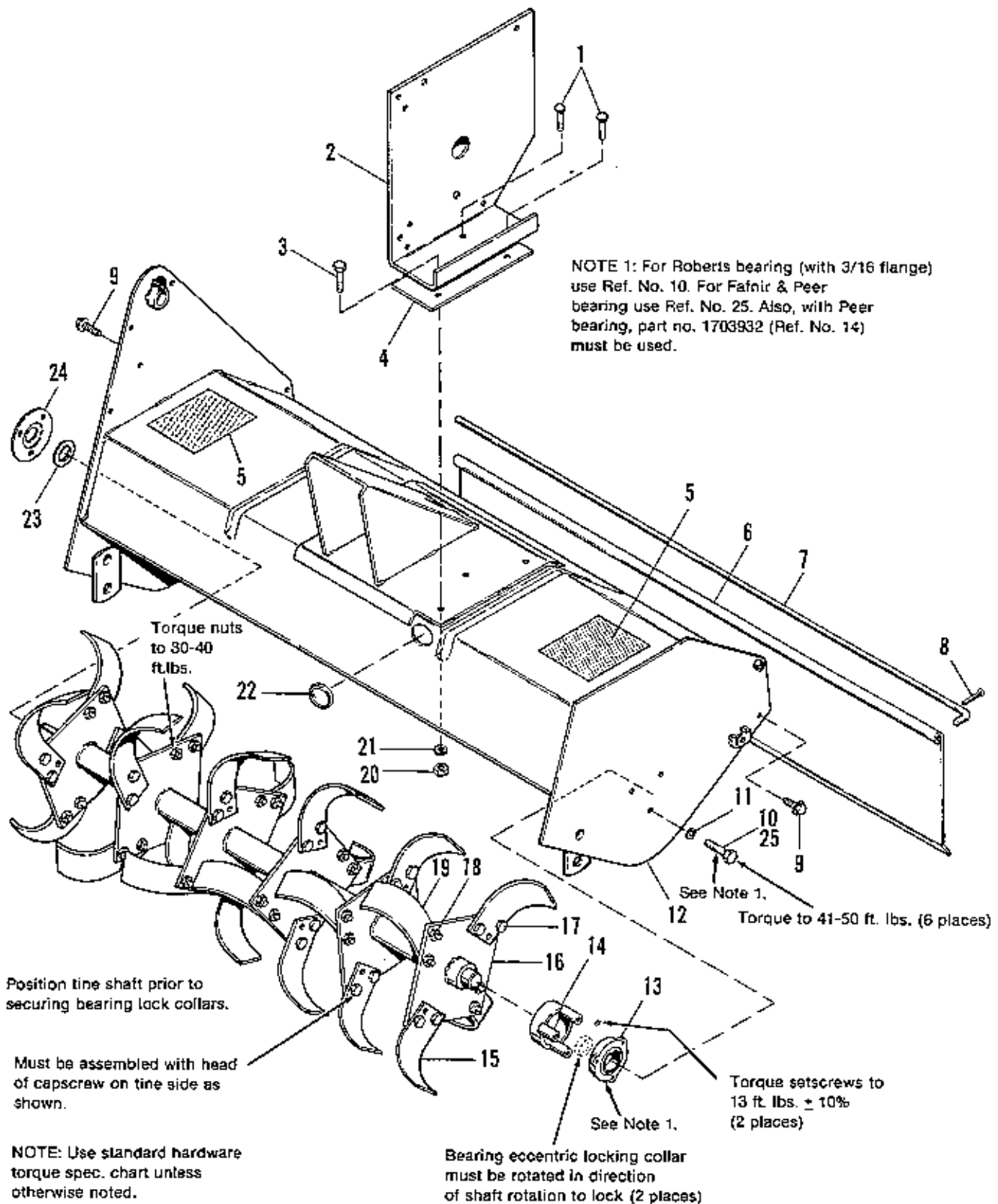
NOTE: Parts Ref. Nos. 46 - 63 continued on the following page.



NOTE: Use standard hardware torque spec. chart unless otherwise noted.

38" Tiller - Clutch & Drive Group (continued)

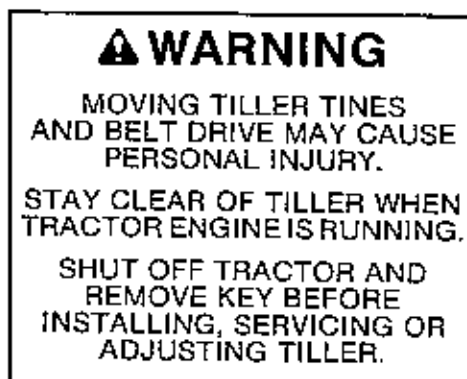
Ref. No.	Part No.	Qty.	Description
46	172777	1	SPROCKET ASSY.
47	1930536	2	SETSCREW, Sq. Hd., 3/8-16 x 3/4
48	172669	2	KEY
49	172454	1	SPACER
50	1929528	1	CAPSCREW, Hex Hd., 1/2-20 x 1
51	1916966	2	LOCKWASHER, 1/2
52	8281014	2	WASHER
53	172744	1	SPROCKET ASSY.
54	172453	1	SPACER
55	105195	2	BEARING
56	172456	1	SPACER
57	1918431	1	WASHER, 1/2
58	105132	1	BOLT, Side, R.H.
59	914687	1	FITTING, Grease
60	1923362	12	LOCKNUT, Hex, 5/16-18
61	1924856	1	SCREW, Hex Hd., 5/16-18 x 1/2
62	1657551	1	COVER ASSY.
63	172482	1	GASKET

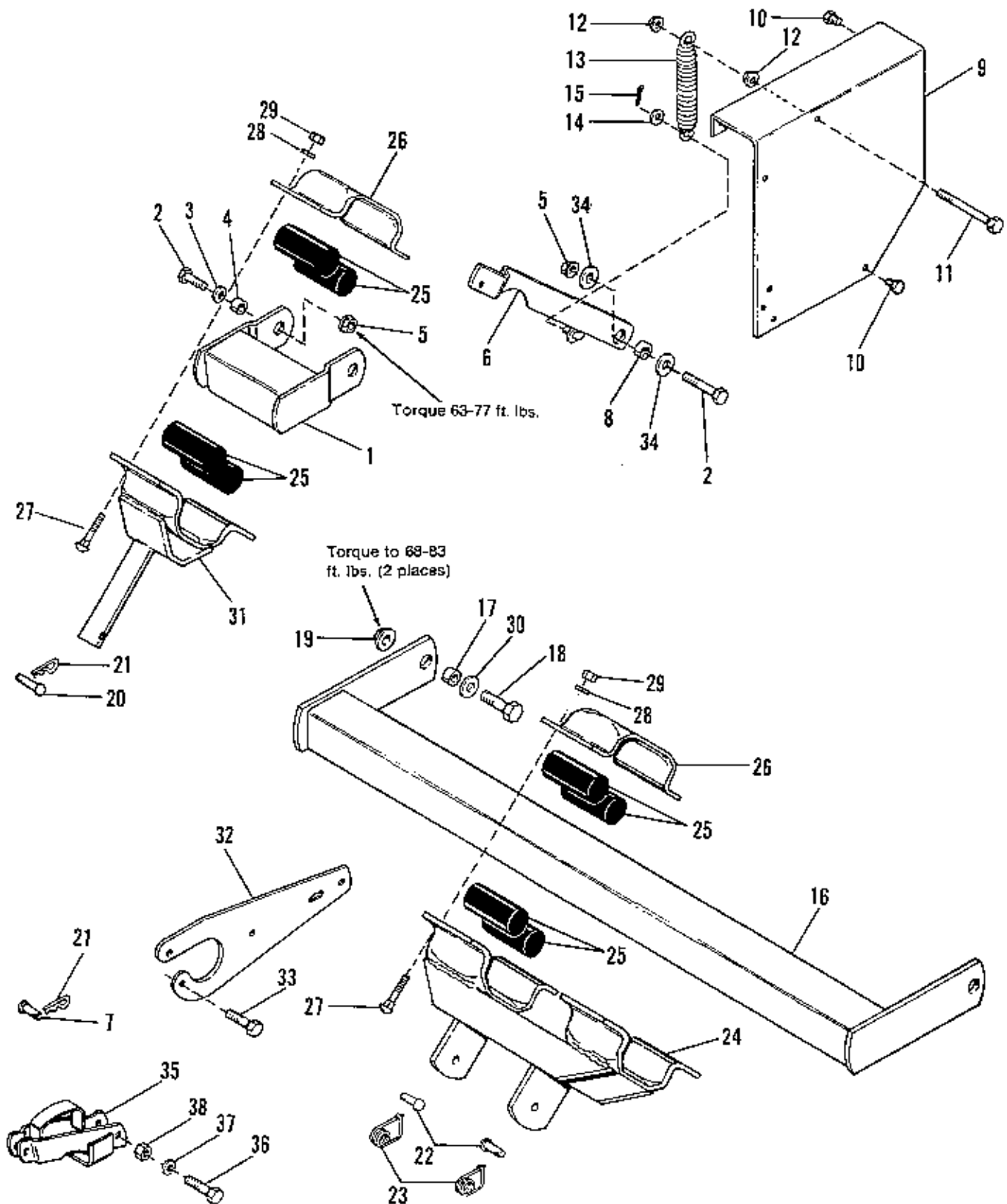


38" Tiller - Frame, Deflector & Tine Group

Ref. No.	Part No.	Qty.	Description
1	1920563	2	CARRIAGE BOLT, 5/16-18 x 1
2	1657529	1	SUPPORT ASSY.
3	1921333	1	CAPSCREW, Hex Hd., 5/16-18 x 1
4	1657692	1	SHIM, Plate
5	1657317	2	DECAL, Safety
6	1657384	1	DEFLECTOR
7	1657389	1	ROD, Deflector
8	1918448	1	COTTER PIN, 3/32 x 1
9	1928635	2	SCREW, Thread Forming, Taptite, 3/8-16 x 1-1/4
10	1922606	6	CAPSCREW, Hex Hd., 3/8-16 x 1-3/4 (Used with Roberts Bearing)
11	1916965	6	LOCKWASHER, 3/8
12	1657397	1	HOUSING ASSY.
13	1685396	2	FLANGE, Bearing Kit (Incl. Ref. No. 14)
14	175138	2	GUARD ASSY., Trash
15	172512	12	TINE, L.H.
16	1657400	1	SHAFT ASSY., Tine
17	1925204	48	CAPSCREW, Hex Hd., 3/8-16 x 1
18	1930645	48	LOCKNUT, Hex, 3/8-16
19	172511	12	TINE, R.H.
20	1917372	3	NUT, Hex, Full, 5/16-18
21	1917356	3	LOCKWASHER, 5/16
22	172934	1	BUTTON, Plug
23	172458	1	SEAL
24	172507	1	RETAINER, Seal
25	1922605	6	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4 (Used with Fafnir & Peer Bearings)

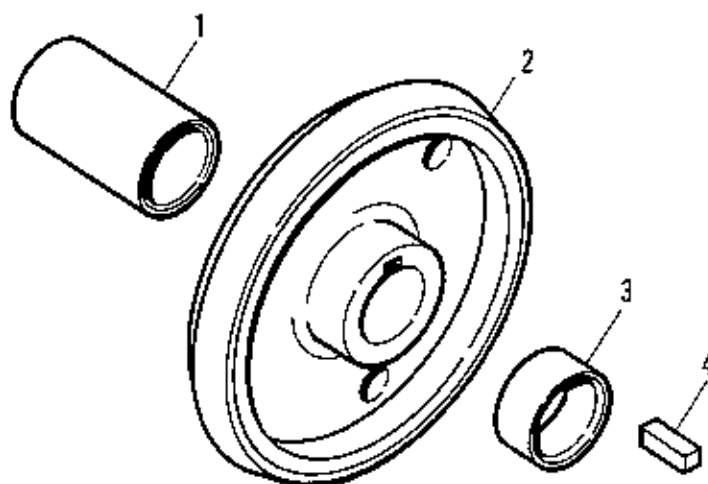
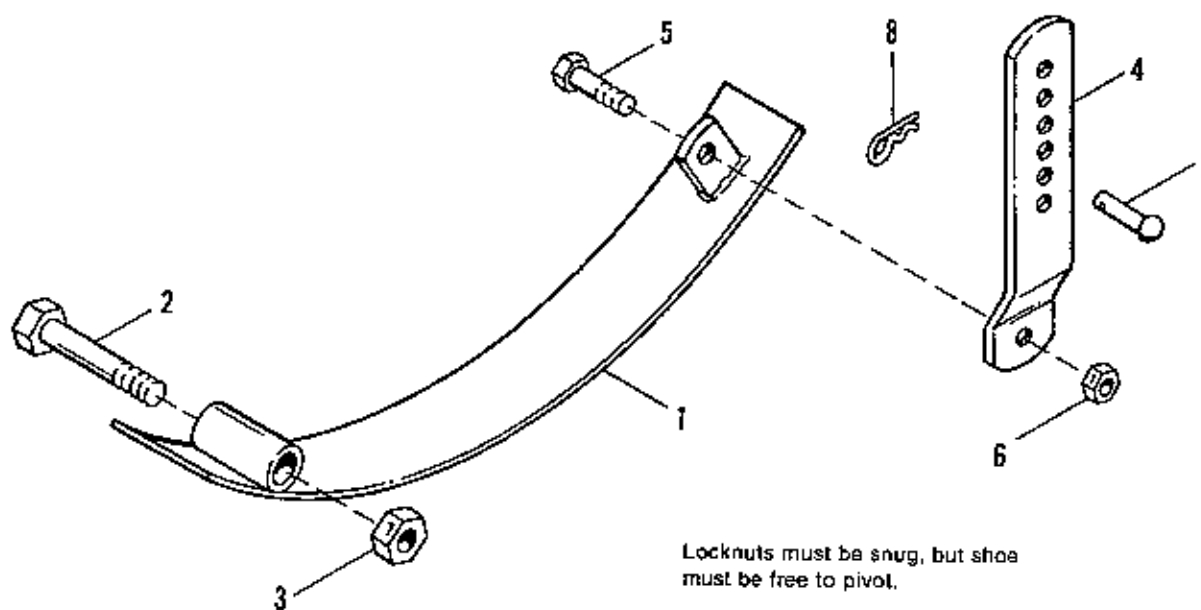
Safety Decal
Ref. No. 5





38" Tiller - Hitch & Lift Group

Ref. No.	Part No.	Qty.	Description
1	1657756	1	YOKE ASSY., Lift
2	1923471	3	CAPSCREW, Hex Hd., 7/16-14 x 1-1/4
3	1917378	2	WASHER, 3/8
4	105346	2	SPACER
5	1930650	3	LOCKNUT, Flange, 7/16-14
6	1657527	1	ARM ASSY., Pivot
7	156306	1	PIN
8	1657601	1	SPACER
9	1657524	1	SHIELD, Pulley
10	1928729	4	SCREW, Hex Hd., Tapite, 5/16-18 x 3/8
11	920260	1	CAPSCREW, Hex Hd., 3/8-16 x 4-1/4
12	1930645	2	LOCKNUT, Flange, 3/8-16
13	157262	1	SPRING
14	1917377	1	WASHER, 1/4
15	1918448	1	COTTER PIN, 3/32 x 1
16	1657762	1	HITCH ASSY., Tiller Half
17	105386	2	SPACER
18	1920328	2	CAPSCREW, Hex Hd., 1/2-13 x 1-1/2
19	1930644	2	LOCKNUT, Flange, 1/2-13
20	118053	1	PIN
21	106788	2	CLIP, Spring
22	155037	2	PIN
23	176012	2	CLIP, Spring, Safety
24	1657811	1	HITCH ASSY., Tractor Half
25	1657754	12	ROLLER
26	1657755	3	CLAMP
27	1931352	12	CARRIAGE BOLT, 3/8-16 x 1-1/2
28	1916965	12	LOCKWASHER, 3/8
29	1916950	12	NUT, Hex, Full, 3/8-16
30	1926192	2	WASHER, Plain, 1/2
31	1657759	1	BAR ASSY., Lift
32	1657846	1	BRACE, Transmission
33	1920677	2	CAPSCREW, Hex Hd., 7/16-14 x 1-1/4
34	105010	2	WASHER
35	1657910	1	ARM ASSY., Lift
36	1921978	1	CAPSCREW, Hex Hd., 5/16-18 x 2
37	1917356	1	LOCKWASHER, 5/16
38	1917372	1	NUT, Hex, Full, 5/16-18



Mfg. No. 1690287

38" Tiller - Skid Shoe Group

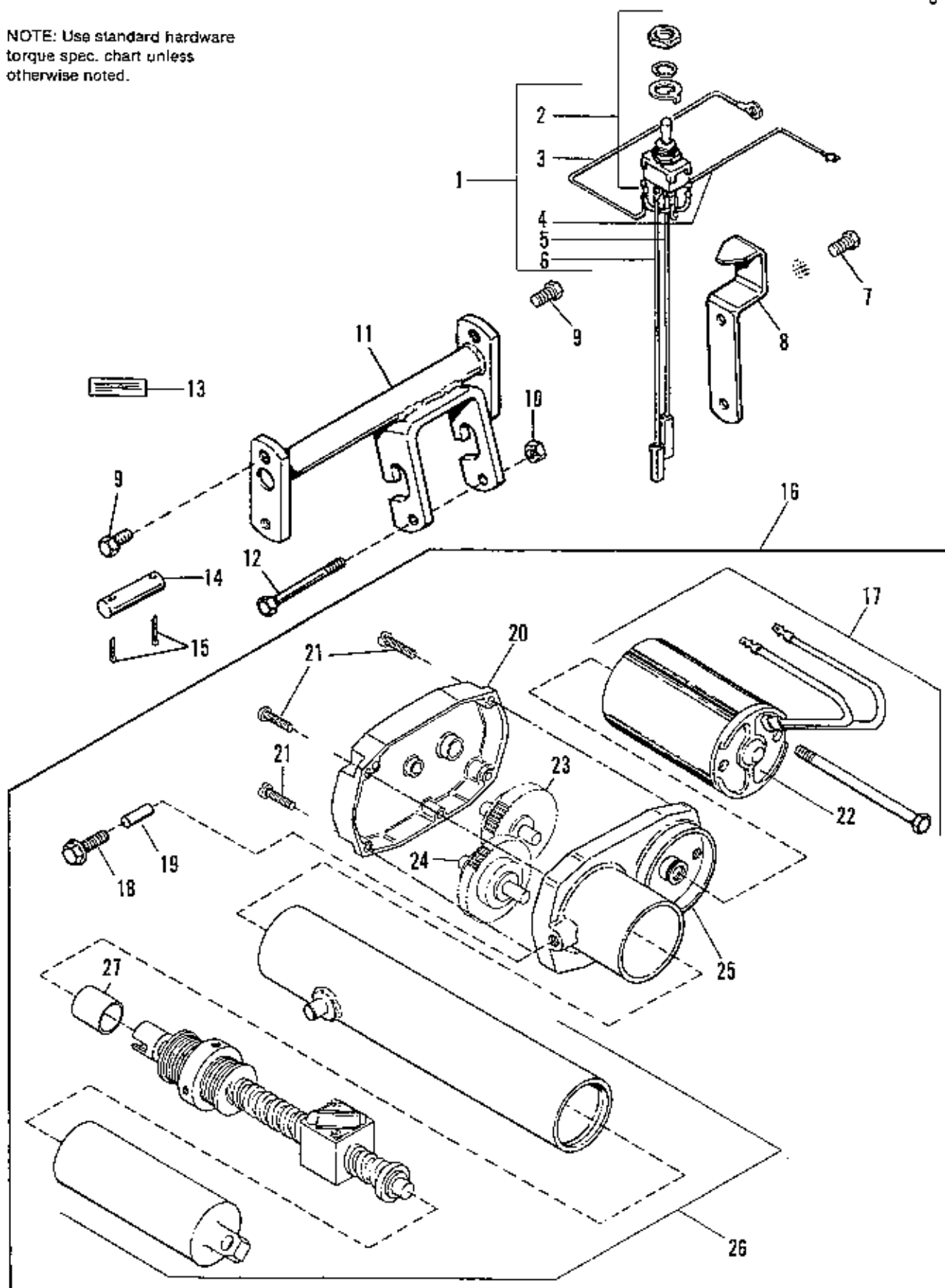
Ref. No.	Part No.	Qty.	Description
1	172875	2	SKID ASSY.
2	1960289	2	CAPSCREW, Hex Hd., 5/8-11 x 3
3	1923353	2	LOCKNUT, Hex, 5/8-11
4	172879	2	BRACKET, Adjusting
5	1921210	2	CAPSCREW, Hex Hd., 3/8-16 x 1
6	1930651	2	LOCKNUT, Hex, 3/8-16
7	1923087	2	PIN, Yoke, 3/8
8	1918196	2	CLIP, Spring

Mfg. No. 1690356

Front P.T.O. Kit

Ref. No.	Part No.	Qty.	Description
1	1663743	1	SLEEVE, Pulley
2	1663741	1	PLATE ASSY., Clutch
3	1663742	1	SPACER
4	154096	1	KEY, Square

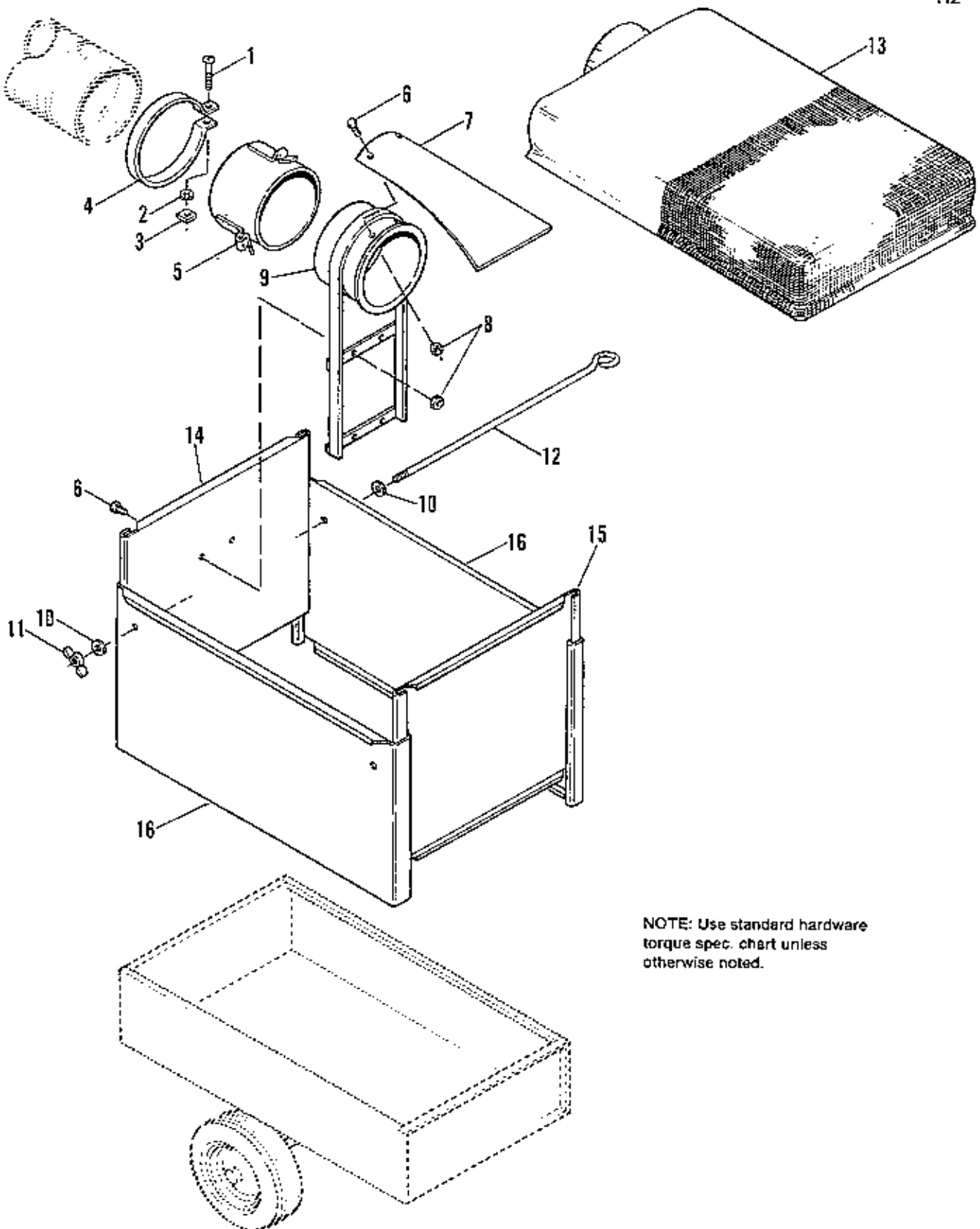
NOTE: Use standard hardware
torque spec. chart unless
otherwise noted.



Power Lift Kit

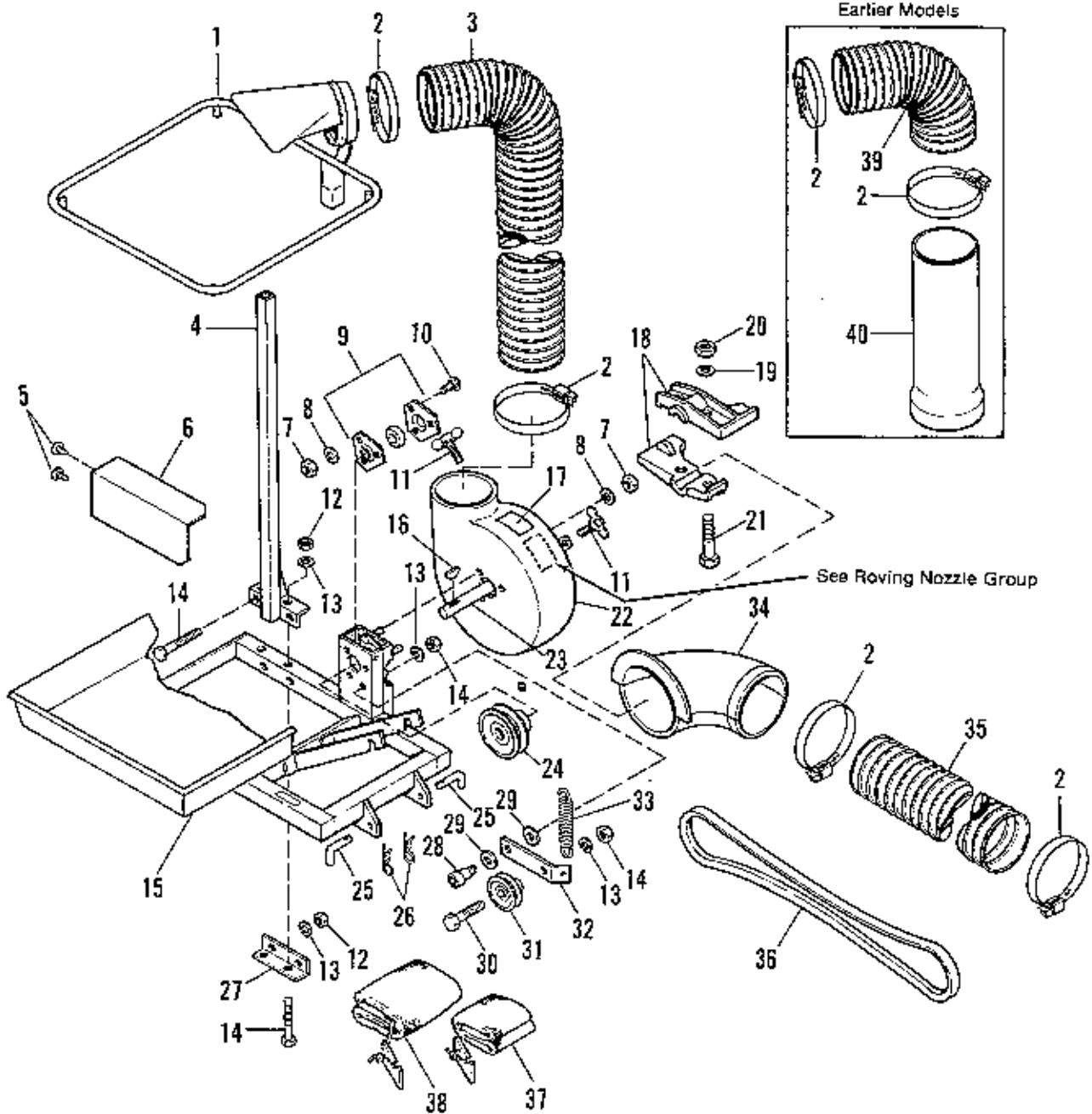
Ref. No.	Part No.	Qty.	Description
1	1651166	1	HARNESS ASSY., Electric Lift
2	171683	1	SWITCH ASSY., Electric
3	171969	1	WIRE, Switch-to-Ground
4	1651165	1	WIRE, Switch-to-Ignition
5	171950	1	WIRE, Switch-to-Lift
6	171951	1	WIRE, Switch-to-Lift
7	1922586	2	CAPSCREW, Hex, 3/8-16 x 5/8
8	172430	1	STOP, Pointer
9	1923683	4	SCREW, Hex Hd., Taprite, 3/8-16 x 3/4
10	1923362	1	LOCKNUT, Hex, 5/16-18
11	172145	1	SUPPORT ASSY., Pump
12	1926106	1	CAPSCREW, Hex Hd., 5/16-18 x 3-1/4
13	175527	1	DECAL, Lift Control
14	171025	1	PIN
15	1918447	2	COTTER PIN, 3/32 x 3/4
16	1704922	1	POWER ACTUATOR ASSY.
17	1663966	1	12 VOLT, D.C. MOTOR KIT
18	1605773	1	CAPSCREW, Thread Forming
19	1605778	1	PIN, Drive
20	1664757	1	COVER, Housing
21	1928589	4	SCREW, Phillips Hd., #10-24 x 1
*22	1664756	4	BRUSH, w/Spring, 3/8 x 1/4 x 1/4 (For new style motor)
	1663249	4	BRUSH, 3/8 x 7/32 x 7/32 (For old style motor)
	1663250	4	SPRING (For old style motor)
23	1704924	1	GEAR ASSY., 2nd & 3rd
24	1704925	1	OUTPUT GEAR & SLIP CLUTCH ASSY.
25	1664758	1	HOUSING, Motor
26	1664759	1	BALL SCREW ASSY.
27	1605779	1	SLEEVE

*Take note of size of brushes before ordering required parts. For old style motors, spring and brush must be ORDERED SEPARATELY.



Cart Cover & Side Plate

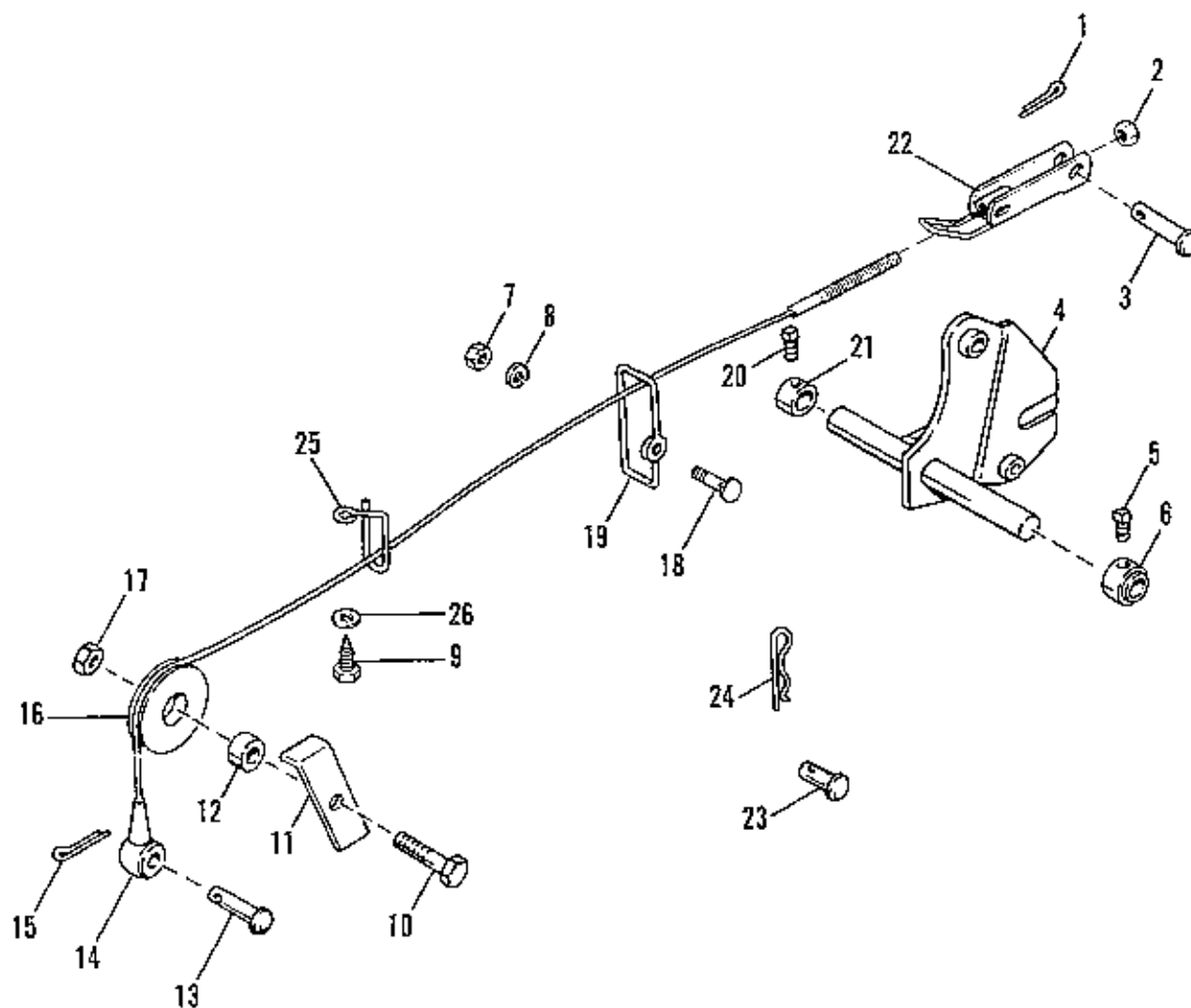
Ref. No.	Part No.	Qty.	Description
1	1928866	1	SCREW, Round. Hd., 1/4-20 x 3
2	1916964	1	LOCKWASHER, 1/4
3	1916622	1	NUT, Hex, 1/4-20
4	123067	1	CLAMP, Hose
5	1665782	1	CONNECTOR, Hose 6"
6	1921959	4	CAPSCREW, Hex Hd., 1/4-20 x 5/8
7	1665781	1	DEFLECTOR
8	1923358	4	LOCKNUT, Hex, 1/4-20
9	1665780	1	CONNECTOR, Metal, 6"
10	1917377	4	WASHER
11	916952	2	WINGNUT, 1/4-20
12	1665778	2	ROD, 17"
13	1665779	1	BONNET
14	1665777	1	PANEL, Front
15	1665776	1	PANEL, Rear
16	1665775	2	PANEL, Side



NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Frame Mounted Vacuum Collector

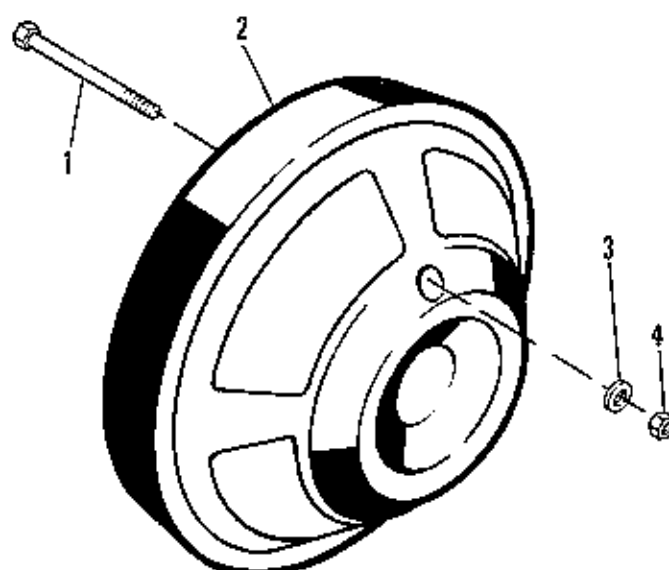
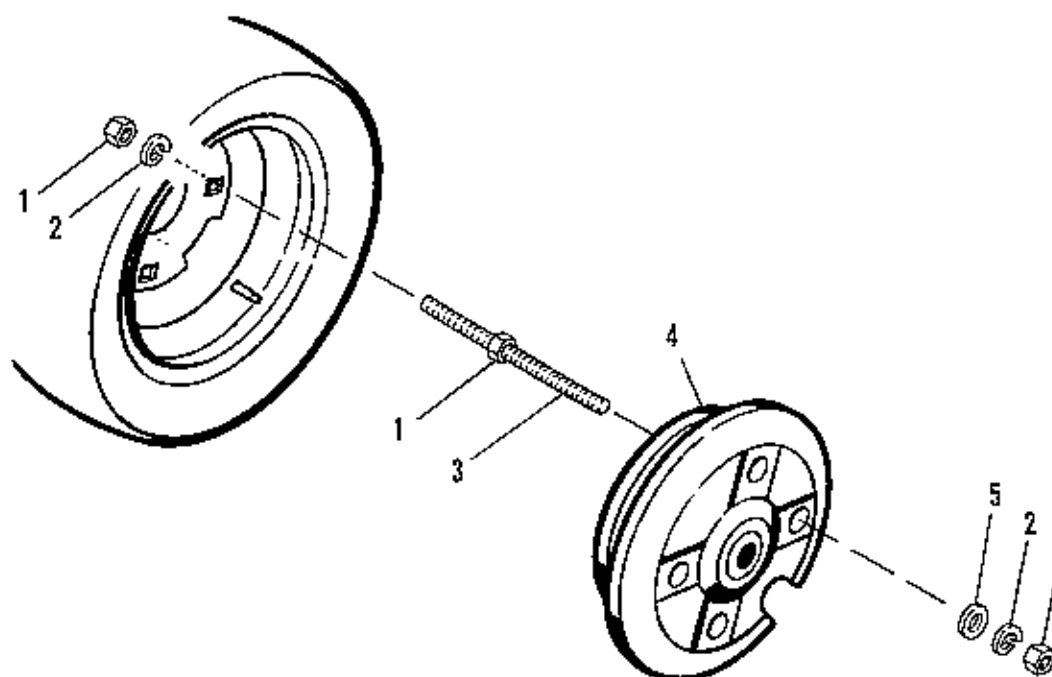
Ref. No.	Part No.	Qty.	Description
1	1665658	1	SUPPORTING RING, Bag
2	921919	4	CLAMP, Hose
3	1666931	1	TUBE, Exhaust
4	1665657	1	UPRIGHT ASSY.
5	1922122	2	SCREW, Self-tapping, #10 x 1/2
6	1665659	1	GUARD, P.T.O. Pulley
7	1917372	6	NUT, Hex, Full, 5/16-18
8	1917356	6	LOCKWASHER, 5/16
9	1665662	2	BEARING & FLANGE ASSY.
10	1931333	6	CARRIAGE BOLT, 5/16-18 x 3/4
11	1667317	2	SCREW, Wing, 5/16-18 x 2
12	1916950	6	NUT, Hex, Full, 3/8-16
13	1917378	6	LOCKWASHER, 3/8
14	1921972	4	CAPSCREW, Hex Hd., 3/8-16 x 2-1/2
15	1665656	1	TRAY ASSY.
16	911171	1	KEY, Woodruff, #11, 3/16 x 7/8
17	1665714	1	DECAL, Warning
18	1665665	1	BLADES, Blower (Pair)
19	1909589	2	LOCKWASHER, Internal Tooth, 1/2
20	1916951	2	NUT, Hex, Full, 1/2-13
21	1920328	2	CAPSCREW, Hex Hd., 1/2-13 x 1-1/2
22	1665660	1	HOUSING, blower
23	1665661	1	SHAFT, Blower
24	1665664	1	PULLEY, Blower
25	1665667	2	CLEVIS, Mount
26	1960033	2	CLIPS, Hairpin
27	1665676	1	ANGLE, Reinforcement
28	927538	1	SCREW, Shoulder, Hex Socket Hd., 1/2 x 1/2
29	1924361	2	WASHER, Plain, 1/2
30	1921971	1	CAPSCREW, Hex Hd., 3/8-16 x 2-1/2
31	1665668	1	PULLEY, Idler
32	1665663	1	ARM, Tension (Idler)
33	1665669	1	SPRING, Tension
34	1665670	1	ELBOW, Blower
35	1657189	1	HOSE, Lower, 7" x 45"
36	170164	1	BELT, Drive
37	1665674	1	TOP, Canvas Bag
38	1665673	1	BAG, Canvas
39	1678490	1	HOSE, Upper (For earlier models)
40	1665715	1	TUBE, Exhaust (For earlier models)



NOTE: Use standard hardware
torque spec. chart unless
otherwise noted.

Rear Lift Kit

Ref. No.	Part No.	Qty.	Description
1	1918452	1	COTTER PIN, 1/8 x 1
2	1918403	1	LOCKNUT, Hex, Jam, 3/8-24
3	102004	1	PIN, Pivot
4	1608761	1	LEVER ASSY., Lift
5	1930540	1	SETSCREW, Sq. Hd., 5/16-18 x 5/8
6	157695	1	COLLAR, Set
7	1917372	1	NUT, Hex, Full, 5/16-18
8	1917356	1	LOCKWASHER, 5/16
9	1930562	1	SCREW, Hex Hd., Thread Forming Gimlet Pt., #14 x 1-1/4
10	1920415	1	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
11	174723	1	GUARD, Cable
12	157081	1	SPACER
13	174215	1	PIN
14	1657563	1	CABLE ASSY., Lift
15	1918447	1	COTTER PIN, 3/32 x 1
16	172725	1	PULLEY
17	1925731	1	LOCKNUT, Hex, Jam, 3/8-16
18	1920563	1	CARRIAGE BOLT, 5/16-18 x 1
19	1673564	1	GUIDE, Cable
20	1928721	1	SETSCREW, Sq. Hd., 5/16-18 x 1/2
21	8021010	1	COLLAR, Set
22	1657564	1	CLEVIS ASSY., Lift
23	1708298	1	PIN
24	1918196	1	CLIP, Spring
25	1671603	1	RETAINER, Cable
26	1921319	1	WASHER, Plain



Mfg. Nos. 1690411, 1691352

Rear Wheel Weight

Ref. No.	Part No.	Qty.	Description
1	1916951	6	NUT, Hex, Full, 1/2-13
2	1916966	4	LOCKWASHER, 1/2
3	1667494	2	ROD, Threaded
*4		1	WEIGHT, Wheel
5	1918431	2	WASHER, Plain, 1/2 (1690411)
	1960027	2	WASHER, 1/2 (1691352)

*If a wheel weight is needed order Mfg. No. 1690411 or 1691352.

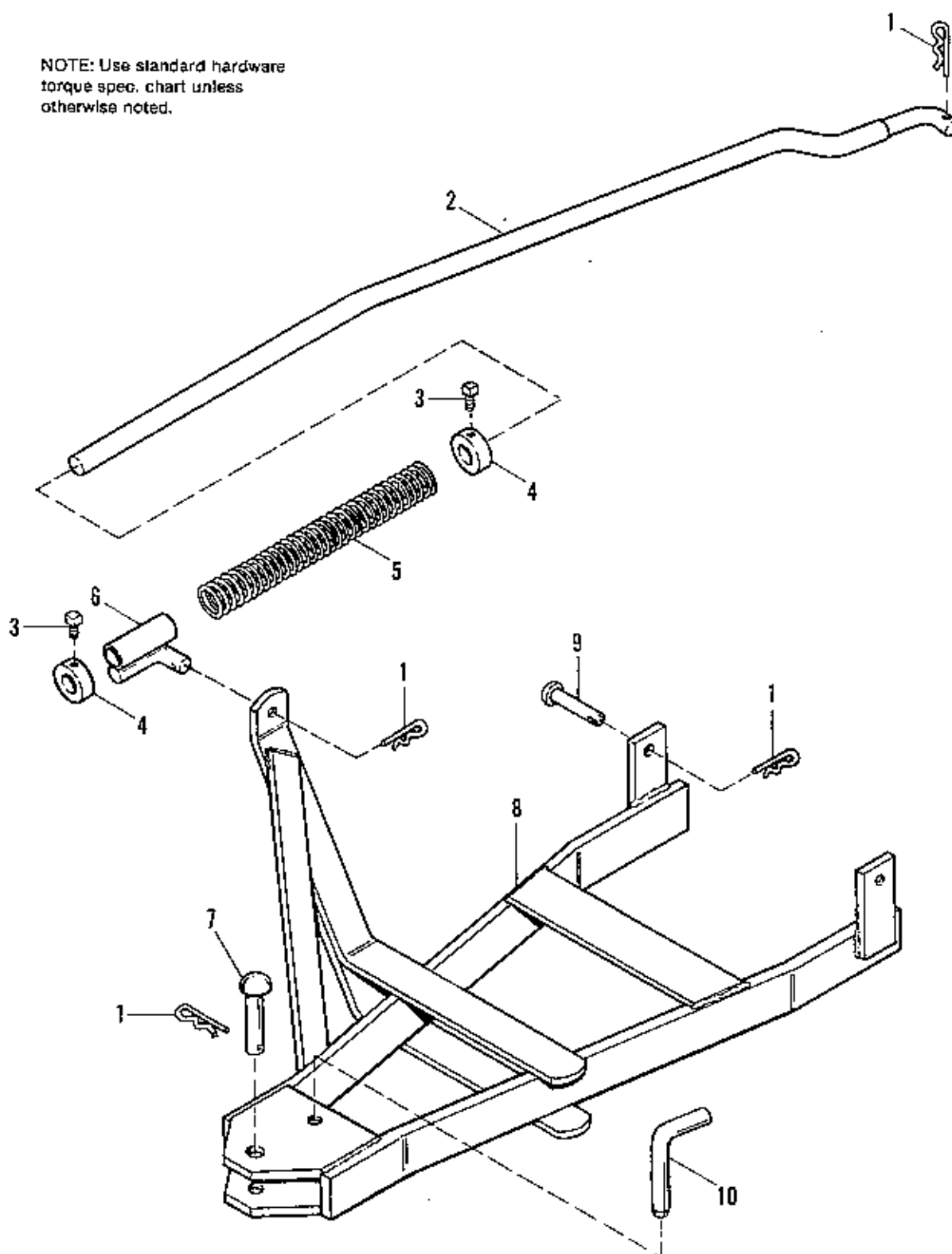
Mfg. No. 1690555

Front Wheel Weight

Ref. No.	Part No.	Qty.	Description
1	1960513	2	CAPSCREW, Hex Hd., 3/8-16 x 8 (3" Thread length)
*2		1	WEIGHT, Wheel
3	1924940	2	WASHER, Plain, 3/8
4	1916950	2	NUT, Hex, Full, 3/8-16

*If a wheel weight is needed order Mfg. No. 1690555.

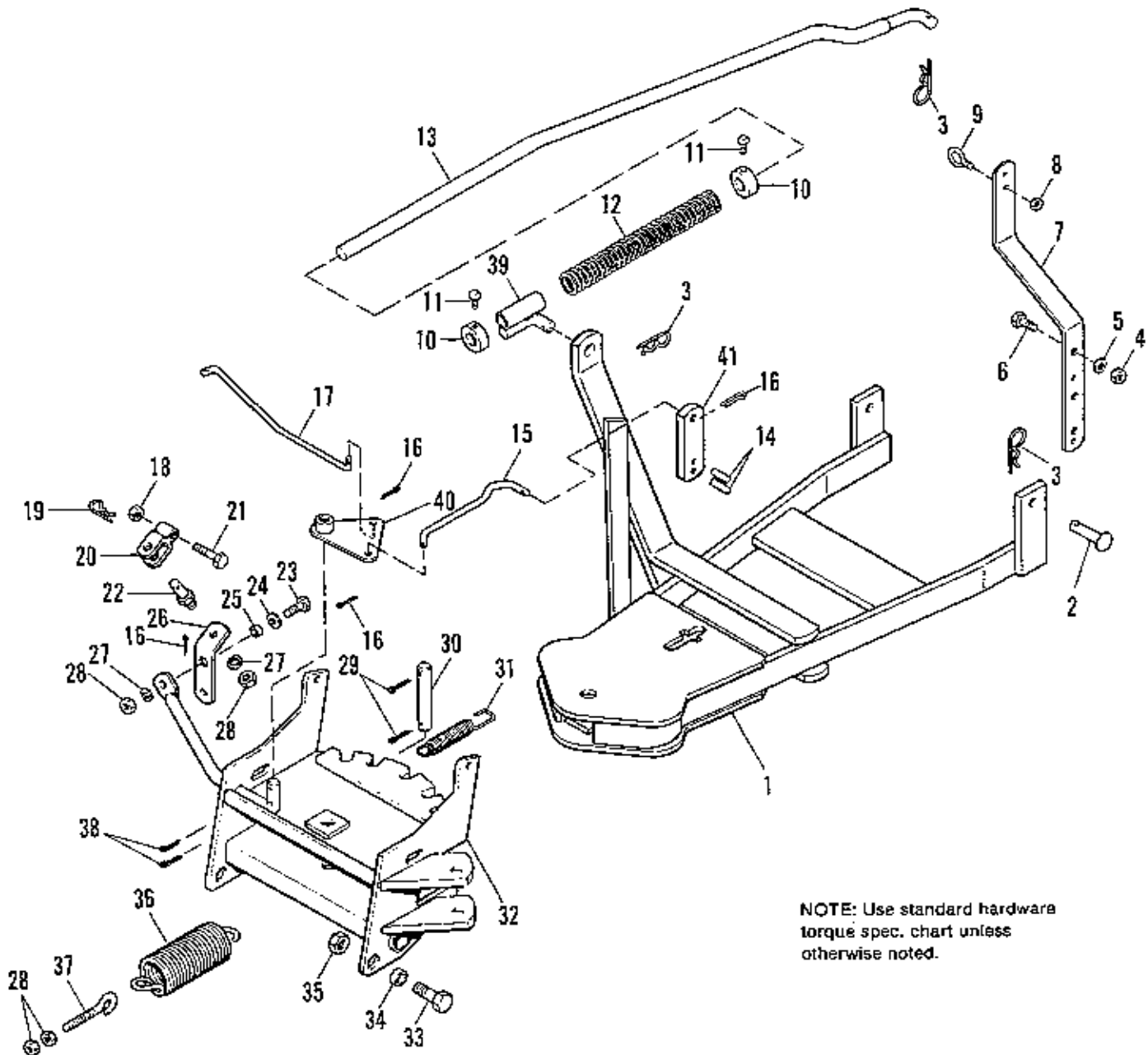
NOTE: Use standard hardware
torque spec. chart unless
otherwise noted.



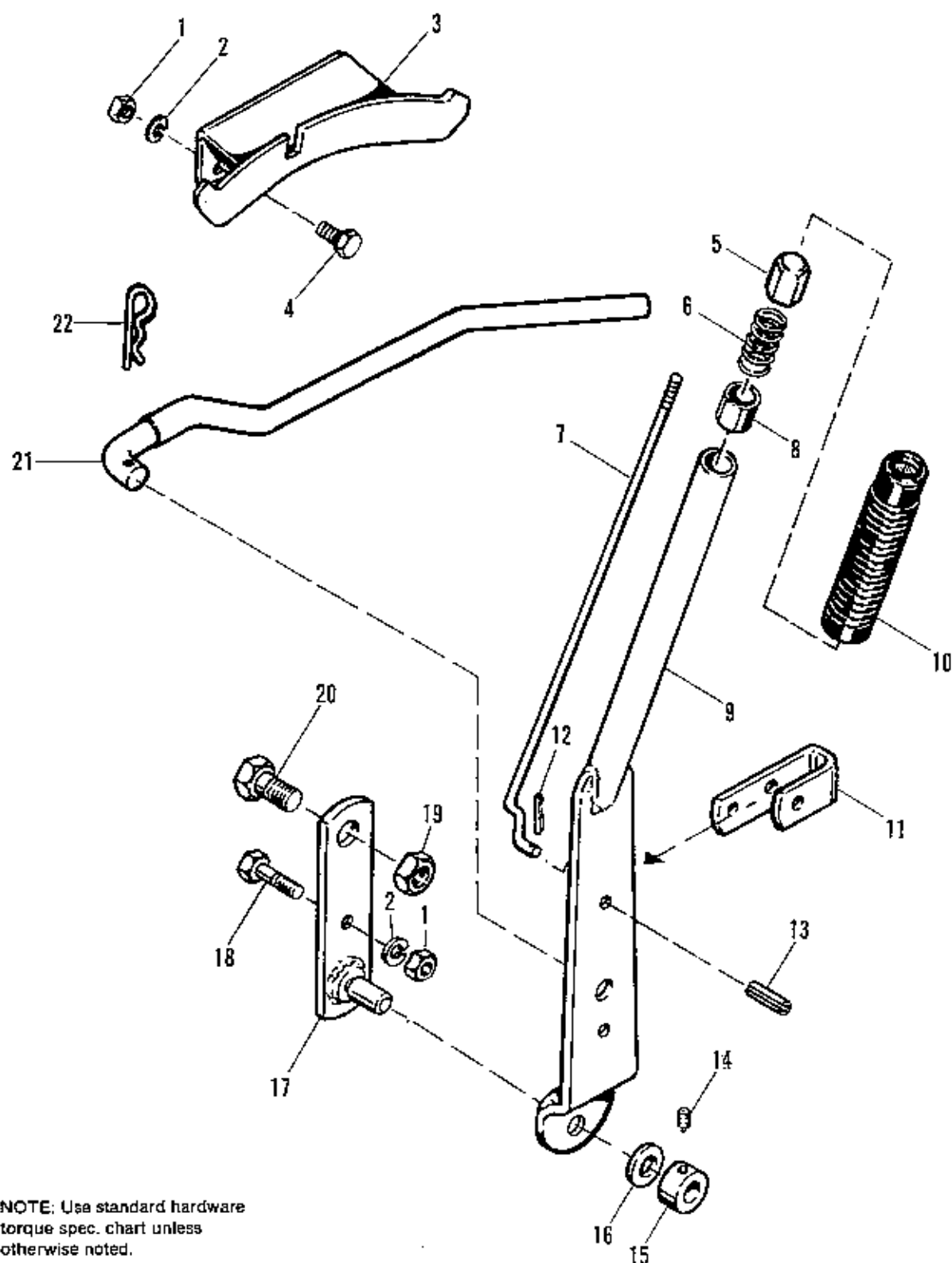
Mfg. No. 1690497

42" Dozer Blade Hitch

Ref. No.	Part No.	Qty.	Description
1	1960033	5	CLIP, Spring
2	1666285	1	ROD, Lift
3	1928721	2	SETSCREW, Sq. Hd., 5/16-18 x 1/2
4	8031007	2	COLLAR, Set
5	171011	1	SPRING
6	171679	1	GUIDE ASSY., Rod
7	1603602	1	PIN, King
8	1667449	1	BAR ASSY., Push
9	118053	2	PIN
10	1678549	1	PIN, Pivot



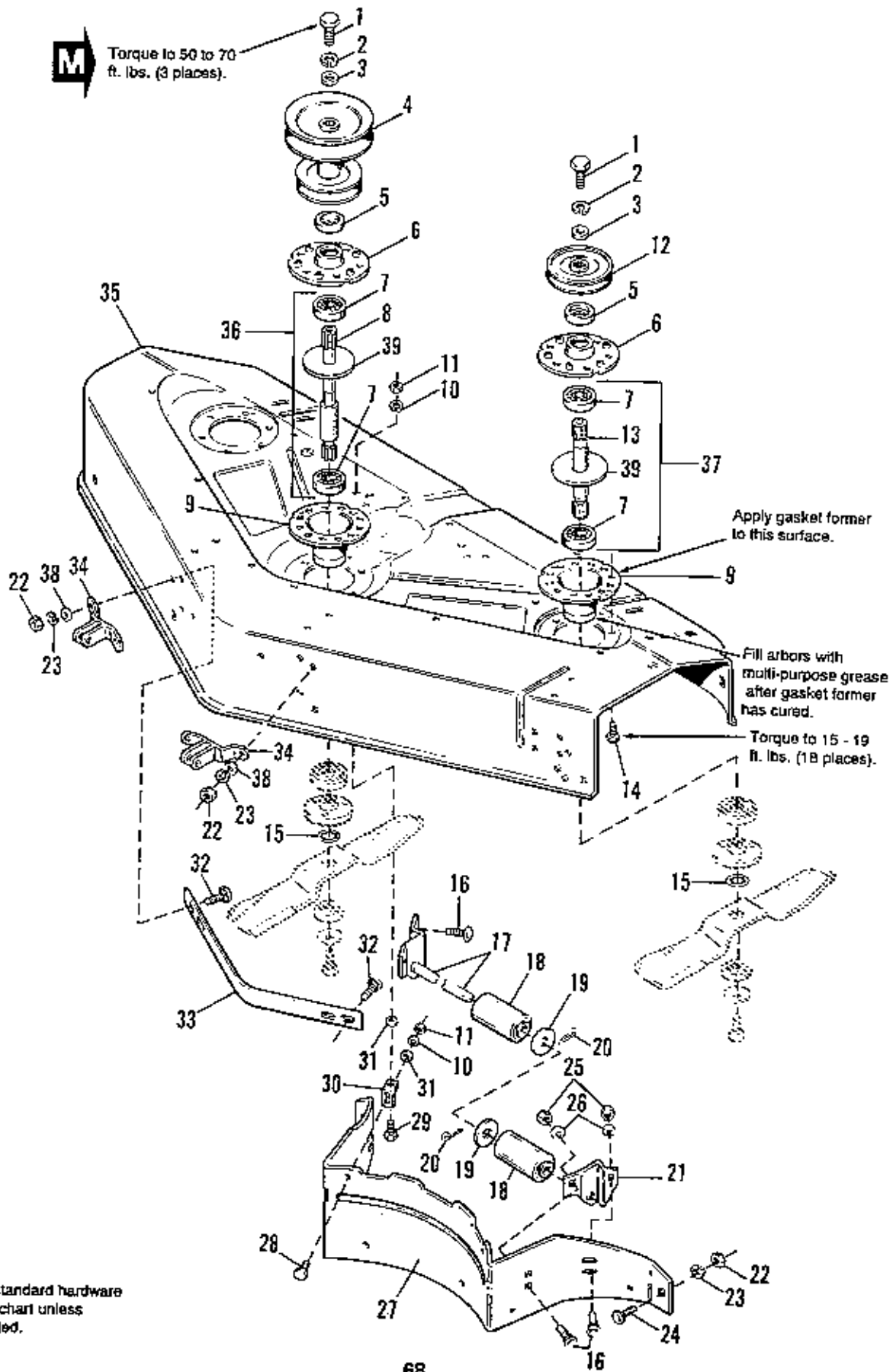
Ref. No.	Part No.	Qty.	Description
1	1667451	1	BAR ASSY., Push
2	118053	2	PIN
3	106788	4	CLIP, Spring
4	1916950	2	NUT, Hex, Full, 3/8-16
5	1916965	2	LOCKWASHER, 3/8
6	1921966	2	CAPSCREW, Hex Hd., 3/8-16 x 7/8
7	1666288	1	BRACKET, Handle Support
8	1923358	1	LOCKNUT, Hex, 1/4-20
9	172162	1	EYEBOLT
10	8031007	2	COLLAR, Set
11	1928721	2	SETSCREW, Sq. Hd., 5/16-18 x 1-1/2
12	171011	1	SPRING
13	1666285	1	ROD, Litt
14	921469	2	PIN, Spring, 7/32 x 1
15	107136	1	LATCH, Rod
16	1918447	4	COTTER PIN, 3/32 x 3/4
17	107118	1	ROD, Pivot
18	1923362	1	LOCKNUT, Hex, 5/16-18
19	106787	1	CLIP, Spring
20	106131	1	FORK ASSY.
21	1921221	1	CAPSCREW, Hex Hd., 5/16-18 x 1-1/2
22	107120	1	STUD, Pivot
23	1921333	1	CAPSCREW, Hex Hd., 5/16-18 x 1
24	1917642	1	WASHER, Plain, 5/16
25	156150	1	SPACER
26	107119	1	ARM, Pivot
27	1917356	2	LOCKWASHER, 5/16
28	1917372	6	NUT, Hex, Full, 5/16-18
29	1919314	2	COTTER PIN, 3/16 x 1-1/4
30	174066	1	PIN, Pivot
31	107135	1	SPRING
32	1700665	1	FRAME ASSY., Pivot
33	1920328	2	CAPSCREW, Hex Hd., 1/2-13 x 1
34	105051	2	SPACER
35	1922134	2	LOCKNUT, Hex, 1/2-12
36	101126	2	SPRING, Tension
37	107121	2	EYEBOLT
38	1918452	2	COTTER PIN, 1/8 x 1
39	171679	1	GUIDE ASSY., Rod
40	107116	1	PLATE ASSY., Pivot
41	174073	1	LATCH



Ref. No.	Part No.	Qty.	Description
1	1916950	4	NUT, Hex, Full, 3/8-16
2	1916965	4	LOCKWASHER, 3/8
3	174718	1	QUADRANT ASSY. (Late model tractor)
4	1921965	2	CAPSCREW, Hex Hd., 3/8-18 x 3/4
5	154227	1	BUTTON, Thumb
6	152006	1	SPRING
7	157167	1	ROD, Latch, R.H.
8	154226	1	SPACER
9	157160	1	LEVER ASSY., Lift, R.H.
10	156209	1	GRIP, Handle
11	157166	1	LATCH, Lift Lever
12	1918447	1	COTTER PIN, 3/32 x 3/4
13	918113	1	PIN, Spring, 3/8 x 1
14	1928721	1	SETSCREW, Sq. Hd., 5/16-18 x 1/2
15	8021010	1	COLLAR, Set
16	1918431	1	WASHER, Plain, 1/2
17	174711	1	LEVER ASSY.
18	1920415	1	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
19	1924650	1	LOCKNUT, Hex, Jam, 1/2-13
20	1923114	1	CAPSCREW, Hex Hd., 1/2-13 x 1
21	1666286	1	ROD, Lift
22	1918196	2	PIN, Quick

The following parts are included in Mfg. No. 1690500 but are used only on early model tractors (1967 and earlier).

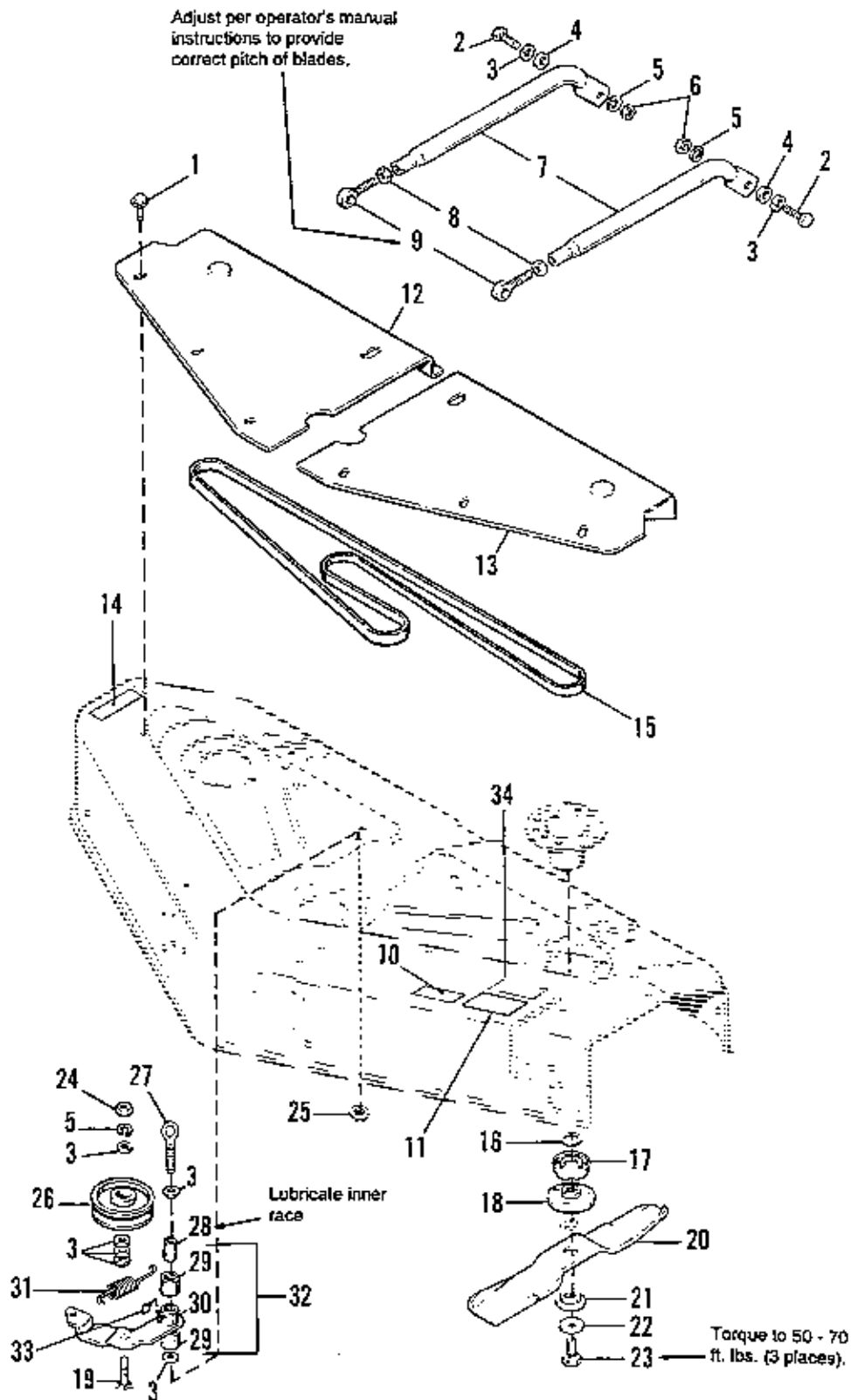
Ref. No.	Part No.	Qty.	Description
	107046	1	ROD, Lift
	157168	1	SPACER
	157169	2	WASHER, Plain
	157170	1	LEVER, Lift
	1921212	1	CAPSCREW, Hex Hd., 7/16-14 x 1/2
	1917356	2	LOCKWASHER, 5/16
	1917642	2	WASHER, Plain, 4/16
	1925205	1	CAPSCREW, Hex Hd., 5/16-18 x 5/8
	1921966	1	CAPSCREW, Hex Hd., 3/8-16 x 7/8
	1921332	1	CAPSCREW, Hex Hd., 5/16-18 x 3/4
	1928701	1	NUT, Retainer, 5/16-18
	1918189	1	LOCKWASHER, 7/16
	157163	1	QUADRANT ASSY., Early Model Tractors



42" Rotary Mower - Housing & Arbor Group

Ref. No.	Part No.	Qty.	Description
1	1923471	3	CAPSCREW, Hex Hd., 7/16-14 x 1-1/4
2	1918199	3	LOCKWASHER, 7/16
3	1933263	3	WASHER, 29/64 x 1-1/4 x 1/4
4	1679158	1	PULLEY ASSY., 42" Mower
5	1657969	3	SHIELD, Bearing, Upper
6	1655729	3	HOUSING, Arbor, Top
7	108202	6	BEARING
8	1679194	1	SHAFT, Arbor, Center
9	1703273	3	HOUSING, Arbor, Bottom
10	1916964	4	LOCKWASHER, 1/4
11	1916622	4	NUT, Hex, Full, 1/4-20
12	1679161	2	PULLEY ASSY., Deck Drive
13	1676277	2	SHAFT, Arbor, Side (Incl. Ref. No. 15, Qty. 1)
14	1664847	18	SCREW, Hex, Washer Hd., Taptite, 5/16-18 x 3/4
15	1657528	3	RING, Self-locking
16	1931333	4	CARRIAGE BOLT, 5/16-18 x 3/4
17	108426	1	BRACKET & SHAFT ASSY., 42" Mower
18	1668513	2	ROLLER
19	1960020	2	WASHER, 21/32
20	1918458	2	COTTER PIN
21	108224	1	BRACKET, Roller, L.H.
22	1916950	6	NUT, Hex, Full, 3/8-16
23	1916965	6	LOCKWASHER, 3/8
24	1931348	2	CARRIAGE BOLT, 3/8-16 x 3/4
25	1917372	4	NUT, Hex, Full, 5/16-18
26	1917356	4	LOCKWASHER, 5/16
27	1675587	1	BAFFLE, 42" Mower
28	1921959	2	CAPSCREW, Hex Hd., 1/4-20 x 5/8
29	1925592	2	SCREW, Thread Forming, 1/4-20 x 3/4
30	108186	2	CLIP, Baffle
31	1921319	2	WASHER, Plain, 9/32
32	1960268	4	CARRIAGE BOLT, 3/8-16 x 1-1/4
33	108366	1	BAR, Reinforcement
34	108219	2	BRACKET ASSY., Front
35	1685281	1	HOUSING, 42" Mower (Orange)
	61685281	1	HOUSING, 42" Mower (Black)
36	1679195	1	SHAFT & BEARING ASSY., Center (Incl. Ref. Nos 7 & 8)
37	1676278	2	SHAFT & BEARING ASSY., Side (Incl. Ref. Nos. 7 & 13)
38	1924940	4	WASHER, 13/32 I.D.
39	1707335	3	GASKET, Foam
*40	1651500	1	BRACKET, R.H.
*41	1651499	1	BRACKET, L.H.
*42	1924356	2	WASHER, 13/32
*43	1921210	2	CAPSCREW, Hex Hd., 3/8-16 x 1
*44	1921965	2	CAPSCREW, Hex Hd., 3/8-16 x 3/4

* Early model only.

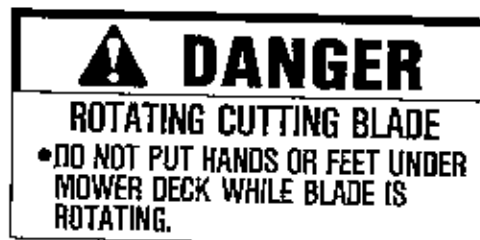


NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1929000	10	SCREW, Hex, Taptite, 1/4-20 x 3/8
2	1921210	2	CAPSCREW, Hex Hd., 3/8-16 x 1
3	1924940	7	WASHER, Plain, 13/32
4	108717	2	SPACER
5	1916965	3	LOCKWASHER, 3/8
6	1916950	2	NUT, Hex, Full, 3/8-16
7	1651520	2	ARM, Adjusting
8	1919262	2	NUT, Hex, Jam, 1/2-20
9	157215	2	EYEBOLT
10	1709067	1	DECAL, Belt Adjustment
11	1704277	1	DECAL, Danger, Deflector in Place
12	1676096	1	COVER, R.H. (Orange)
	61676096	1	COVER, R.H. (Black)
13	1676095	1	COVER, L.H. (Orange)
	61676095	1	COVER, L.H. (Black)
14	1704276	1	DECAL, Danger, Rotating Blade
15	1656960	1	V-BELT, Arbor Drive
16	1700230	3	WASHER, Shim
17	1700229	3	SHIELD, Grass
18	1655777	3	ADAPTER, Blade
19	1960268	1	CARRIAGE BOLT, 3/8-16 x 1-1/4
20	1679917	3	BLADE, 42" Mower
21	1679711	3	WASHER, Spline
22	1656916	3	WASHER, Spring
23	1923491	3	CAPSCREW, Hex Hd., 7/16-14 x 1
24	1917421	1	NUT, Hex, Jam, 3/8-16
25	1928352	1	NUT, Hex, Flange, Whizlock, 3/8-16
26	1704926	1	PULLEY ASSY., Idler
27	171815	1	EYEBOLT
28	1674669	1	SPACER
29	1676148	2	BUSHING
30		1	LEVER ASSY., Idler (Order Ref. No. 32)
31	1656936	1	SPRING
32	1704659	1	LEVER ASSY., Idler (Incl. Ref. Nos. 25 & 26)
33	912808	1	FITTING, Grease, 1/4-28
34	1704383	1	DECAL, Cutting Width, 42"

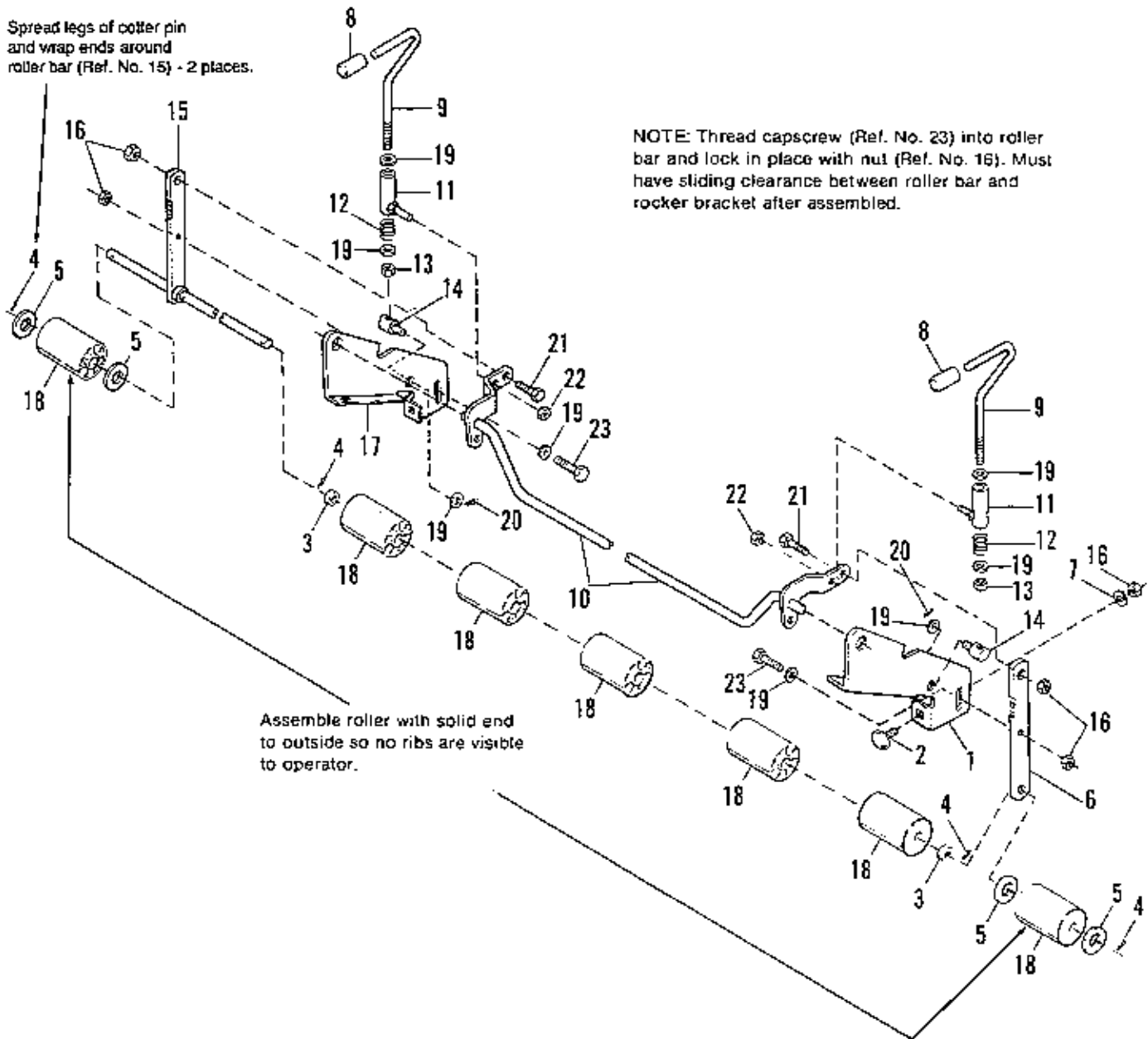
Safety Decals

Ref. No. 11 & Ref. No. 14



Spread legs of cotter pin and wrap ends around roller bar (Ref. No. 15) - 2 places.

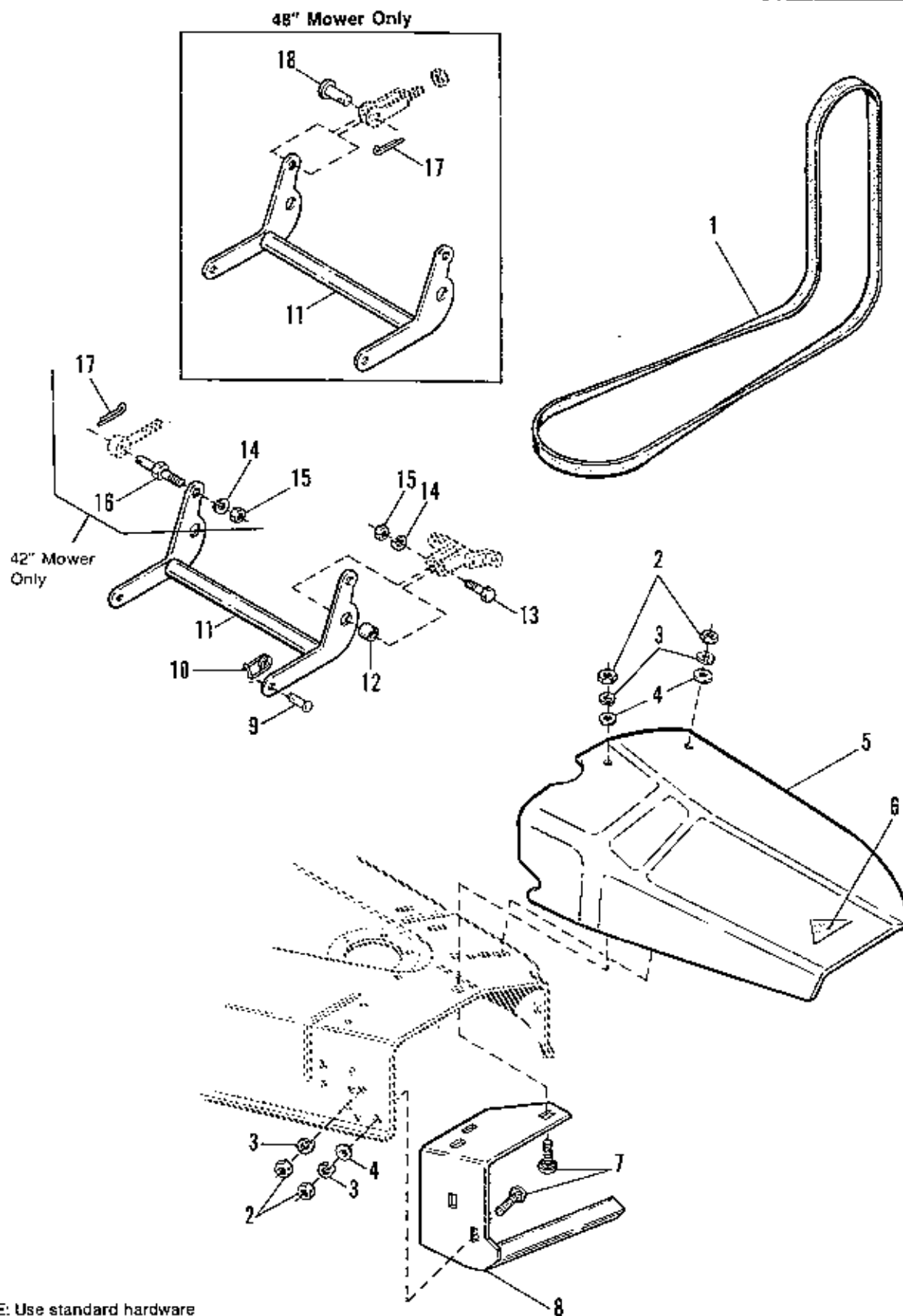
NOTE: Thread capscrew (Ref. No. 23) into roller bar and lock in place with nut (Ref. No. 16). Must have sliding clearance between roller bar and rocker bracket after assembled.



NOTE: Use standard hardware torque spec. chart unless otherwise noted.

42" Rotary Mower - Height Adjusting & Rollers Group

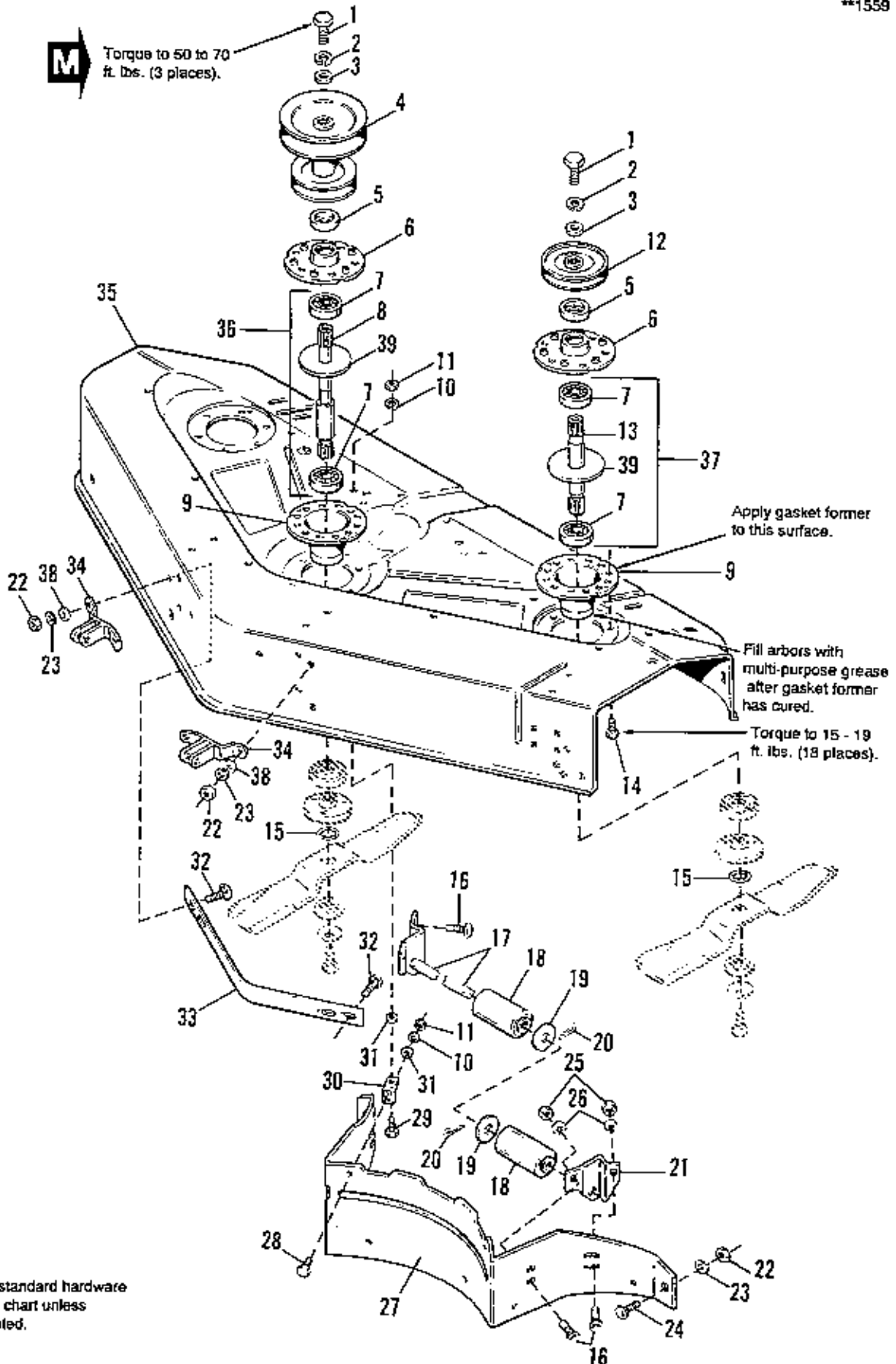
Ref. No.	Part No.	Qty.	Description
1	172044	1	BRACKET, Roller, L.H.
2	1931350	4	CARRIAGE BOLT, 3/8-16 x 1
3	172914	2	SPACER
4	1918458	4	COTTER PIN, 3/16 x 1
5	1960020	4	WASHER, Plain, 5/8
6	1657893	1	BAR, Roller
7	1916965	4	LOCKWASHER, 3/8
8	1651820	2	GRIP
9	1650394	2	HANDLE, Adjusting
10	1651514	1	ROCKER ARM ASSY.
11	108241	2	SOCKET ASSY.
12	108360	2	SPRING
13	1917421	2	NUT, Hex, Jam, 3/8-16
14	108512	2	PIVOT
15	1657894	1	SHAFT ASSY., Roller
16	1916950	8	NUT, Hex, Full, 3/8-16
17	172045	1	BRACKET, Roller, R.H.
18	1668513	7	ROLLER
19	1924940	6	WASHER, Plain, 13/32 I.D.
20	1918447	2	COTTER PIN, 3/32 x 3/4
21	1921210	2	CAPSCREW, Hex Hd., 3/8-16 x 1
22	1930651	2	LOCKNUT, Hex, Full, 3/8-16
23	1921968	2	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4



Mfg. Nos. 1690501, 1690502, 1691218, 1691219

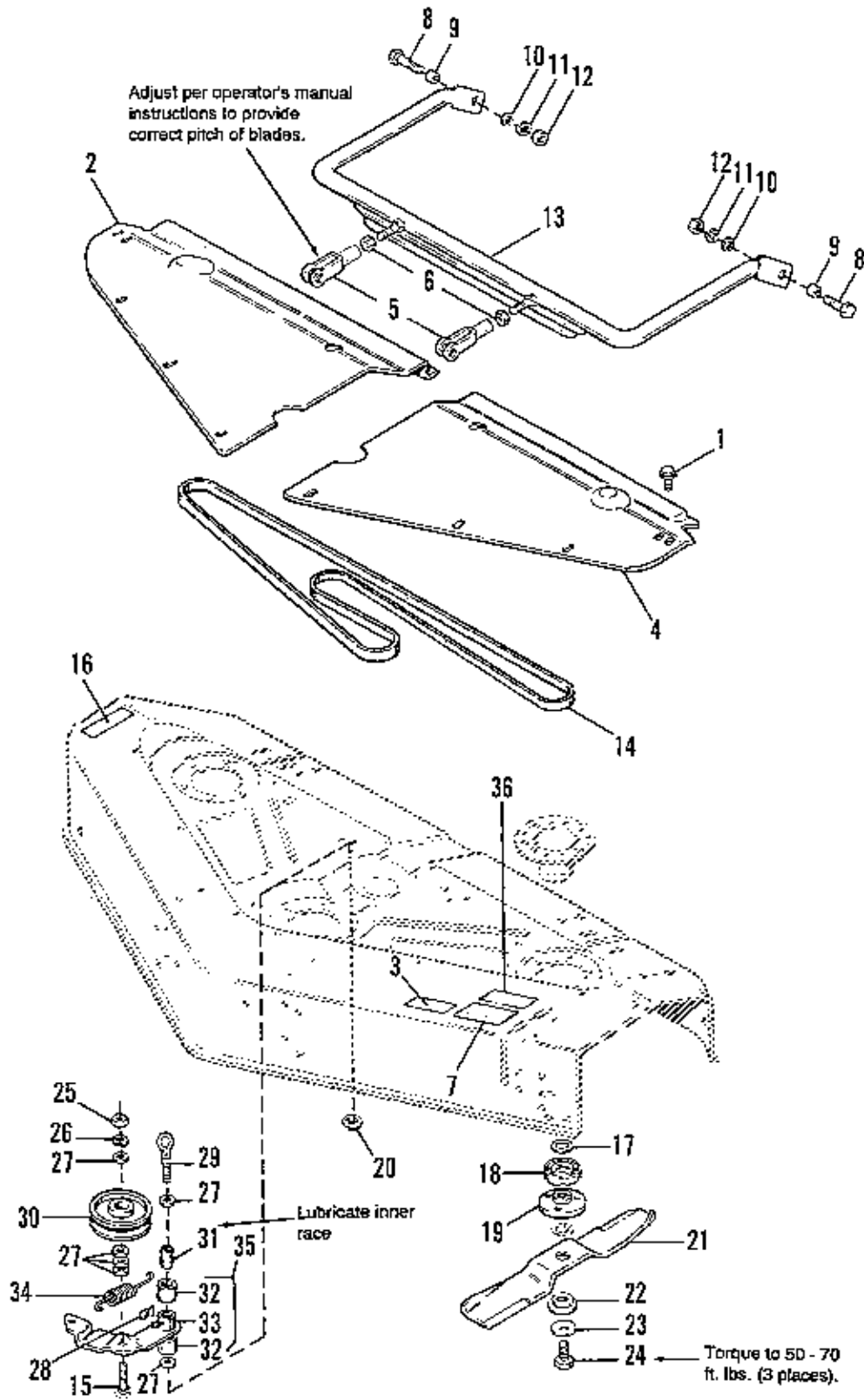
42" & 48" Rotary Mower - Deflector, Stone Guard & Rocker Arm Group

Ref. No.	Part No.	Qty.	Description
1	1666801	1	V-BELT, PTO to Mower - 42" Mower
	108508	1	V-BELT, PTO to Mower - 48" Mower
2	1916950	4	NUT, Hex, 3/8-16
3	1916965	4	LOCKWASHER, 3/8
4	1924356	3	WASHER, Special
5	1654477	1	DEFLECTOR - 42" Mower (Orange)
	61651177	1	DEFLECTOR - 42" Mower (Black)
	1651184	1	DEFLECTOR - 48" Mower (Orange)
	61651184	1	DEFLECTOR - 48" Mower (Black)
6		1	DECAL, OPEI (Not Serviced)
7	1980268	4	CARRIAGE BOLT, 3/8-16 x 1-1/4
8	174167	1	GUARD ASSY., Stone - 42" Mower
	174127	1	GUARD ASSY., Stone - 48" Mower
9	156306	2	PIN
10	176012	2	PIN, Clip
11	172468	1	ROCKER ARM ASSY.
12	105051	2	SPACER
13	1921176	2	CAPSCREW, Hex Hd., 1/2-13 x 1-1/4
14	1916966	4	LOCKWASHER, 1/2 (Qty. 2 on 48" Mower)
15	1913744	4	NUT, Hex, Jam, 1/2-13 (Qty. 2 on 48" Mower)
16	1651516	2	PIN, Pivot (42" Mower only)
17	1918452	2	COTTER PIN, 1/8 x 1
18	1960116	2	PIN, Yoke, (48" Mower only)



48" Rotary Mower - Housing & Arbor Group

Ref. No.	Part No.	Qty.	Description
1	1923471	3	CAPSCREW, Hex Hd., 7/16-14 x 1-1/4
2	1918199	3	LOCKWASHER, 7/16
3	1933263	3	WASHER, 29/64 x 1-1/4 x 1/4
4	1679157	1	PULLEY ASSY., 48" Mower
5	1657969	3	SHIELD, Bearing, Upper
6	1655729	3	HOUSING, Arbor, Top
7	108202	6	BEARING
8	1679194	1	SHAFT, Arbor, Center
9	1703273	3	HOUSING, Arbor, Bottom
10	1916964	4	LOCKWASHER, 1/4
11	1916622	4	NUT, Hex, Full, 1/4-20
12	1679161	2	PULLEY ASSY., Deck Drive
13	1676277	2	SHAFT, Arbor, Side (Incl. Ref. No. 15, Qty. 1)
14	1664847	18	SCREW, Hex, Washer Hd., Taptite, 5/16-18 x 3/4
15	1657528	3	RING, Self-Locking
16	1931333	4	CARRIAGE BOLT, 5/16-18 x 3/4
17	108454	1	BRACKET & SHAFT ASSY., 48" Mower
18	1668513	2	ROLLER
19	1960020	2	WASHER, 21/32
20	1918458	2	COTTER PIN
21	108224	1	BRACKET, Roller, L.H.
22	1916950	6	NUT, Hex, Full, 3/8-16
23	1916965	6	LOCKWASHER, 3/8
24	1931348	2	CARRIAGE BOLT, 3/8-16 x 3/4
25	1917372	4	NUT, Hex, Full, 5/16-18
26	1917356	4	LOCKWASHER, 5/16
27	16747747	1	BAFFLE, 48" Mower
28	1921959	2	CAPSCREW, Hex Hd., 1/4-20 x 5/8
29	1925592	2	SCREW, Thread Forming, 1/4-20 x 3/4
30	108186	2	CLIP, Baffle
31	1921319	2	WASHER, Plain, 9/32
32	1960268	4	CARRIAGE BOLT, 3/8-16 x 1-1/4
33	108366	1	BAR, Reinforcement
34	108219	2	BRACKET ASSY., Front
35	1685282	1	HOUSING, 48" Mower (Orange)
	61685282	1	HOUSING, 48" Mower (Black)
36	1679195	1	SHAFT & BEARING ASSY., Center (Incl. Ref. Nos. 7 & 8)
37	1676278	2	SHAFT & BEARING ASSY., Side (Incl. Ref. Nos. 7 & 13)
38	1924940	4	WASHER, 13/32 I.D.
39	1707335	3	GASKET, Foam

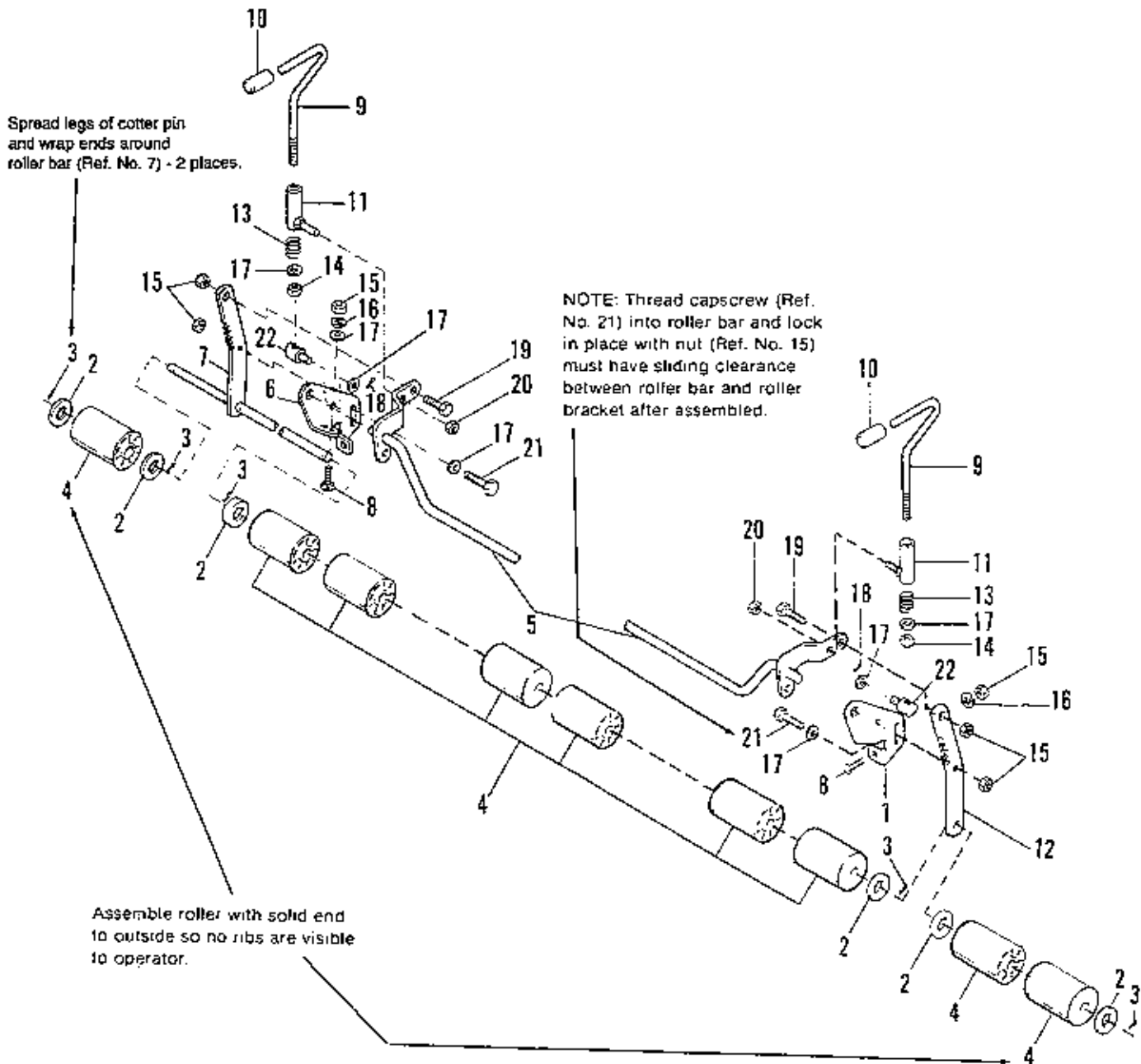


NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1929000	14	SCREW, Hex, Tapite, 1/4-20 x 3/8
2	1679957	1	COVER, R.H. (Orange)
	61679957	1	COVER, R.H. (Black)
3	1709067	1	DECAL, Belt Installation, Adjustment
4	1676067	1	COVER, L.H. (Orange)
	61676067	1	COVER, R.H. (Black)
5	154304	2	YOKE
6	1919262	2	NUT, Hex, Jam, 1/2-20
7	1704277	1	DECAL, Danger, Deflector in Place
8	1921176	2	CAPSCREW, Hex Hd., 1/2-13 x 1-1/4
9	105051	2	SPACER
10	1924361	2	WASHER, Plain, 7/16
11	1916966	2	LOCKWASHER, 1/2
12	1916951	2	NUT, Hex, Full, 1/2-13
13	172473	1	BAIL ASSY.
14	1657044	1	V-BELT, Arbor Drive
15	1960268	1	CARRIAGE BOLT, 3/8-16 X 1-1/4
16	1704276	1	DECAL, Danger, Rotating Blade
17	1700230	3	WASHER, Shim
18	1700229	3	SHIELD, Grass
19	1655777	3	ADAPTER, Blade
20	1928352	1	NUT, Hex, Flange Whizlock, 3/8-16
21	1679916	3	BLADE, 48" Mower
22	1679711	3	WASHER, Spline
23	1656916	3	WASHER, Spring
24	1923491	3	CAPSCREW, Hex Hd., 7/16-14 x 1
25	1917421	1	NUT, Hex, Jam, 3/8-16
26	1916965	1	LOCKWASHER, 3/8
27	1924940	5	WASHER, Plain, 13/32
28	912808	1	FITTING, Grease, 1/4-28
29	171815	1	EYEBOLT
30	1704926	1	PULLEY ASSY., Idler
31	1674669	1	SPACER
32	1676148	2	BUSHING
33		1	LEVER ASSY., (Order Ref. No. 35)
34	1656936	1	SPRING
35	1704659	1	LEVER ASSY., Idler (Incl. Ref. Nos. 28 & 32)
36	1704384	1	DECAL, Cutting Width, 48"

Safety Decals
Ref. No. 7 & Ref. No. 16





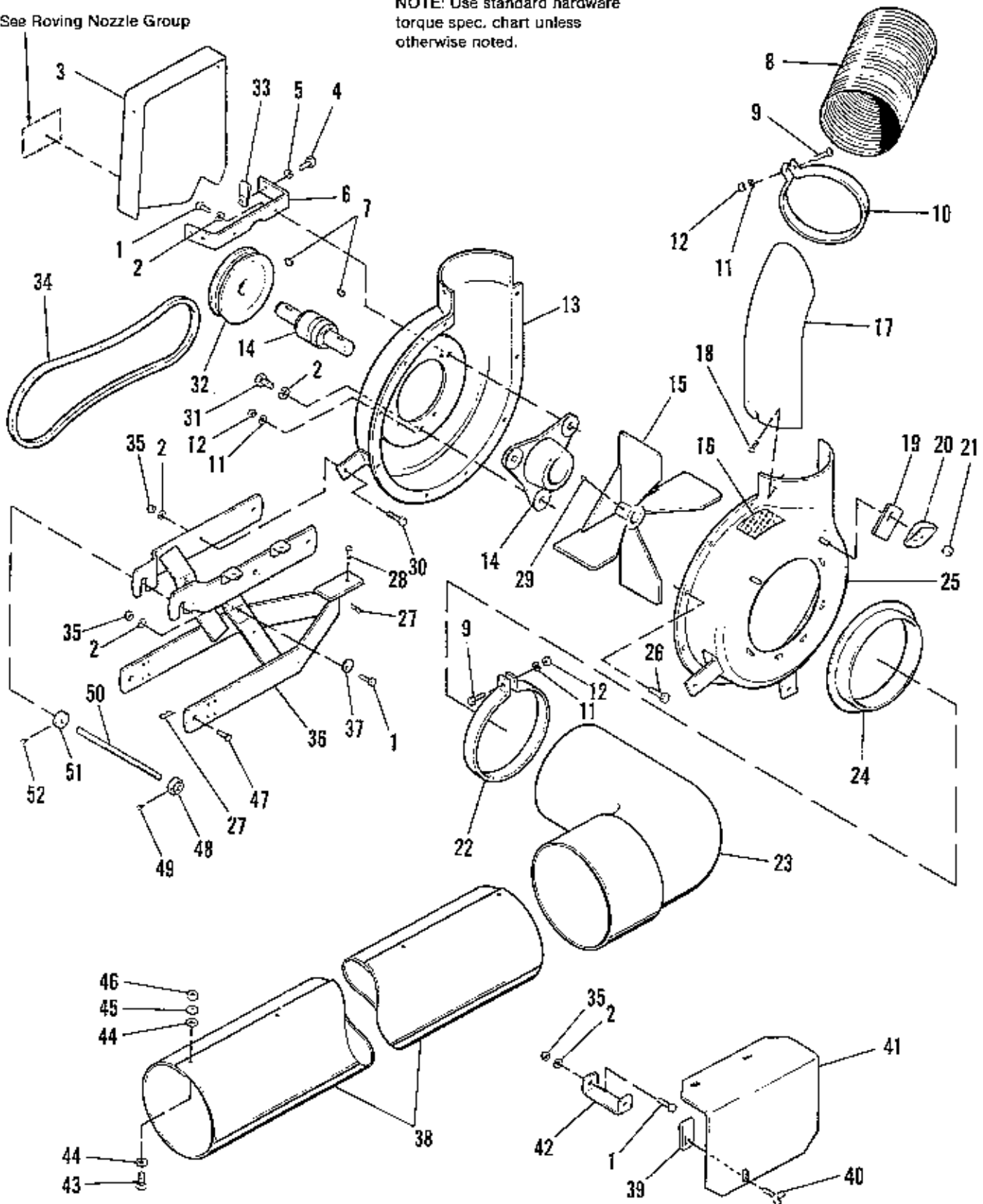
NOTE: Use standard hardware torque spec. chart unless otherwise noted.

48" Rotary Mower - Height Adjusting & Roller Group

Ref. No.	Part No.	Qty.	Description
1	172046	1	BRACKET, Roller, L.H.
2	1960020	6	WASHER, Plain, 5/8
3	1918458	4	COTTER PIN, 3/16 x 1
4	1668513	9	ROLLER
5	172015	1	ROCKER ARM ASSY.
6	172047	1	BRACKET, Roller, R.H.
7	1668541	1	SHAFT ASSY., Roller
8	1931350	4	CARRIAGE BOLT, 3/8-16 x 1
9	1650394	2	HANDLE, Adjusting
10	1651820	2	GRIP
11	108241	2	SOCKET ASSY.
12	1657891	1	BAR, Roller
13	108360	2	SPRING
14	1917421	2	NUT, Hex, Jam, 3/8-16
15	1916950	8	NUT, Hex, Full, 3/8-16
16	1916965	4	LOCKWASHER, 3/8
17	1924940	8	WASHER, 3/8
18	1918447	2	COTTER PIN, 3/32 x 3/4
19	1921210	2	CAPSCREW, Hex Hd., 3/8-16 x 1
20	1930651	2	LOCKNUT, Hex Full, 3/8-16
21	1921968	2	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
22	108512	2	PIVOT

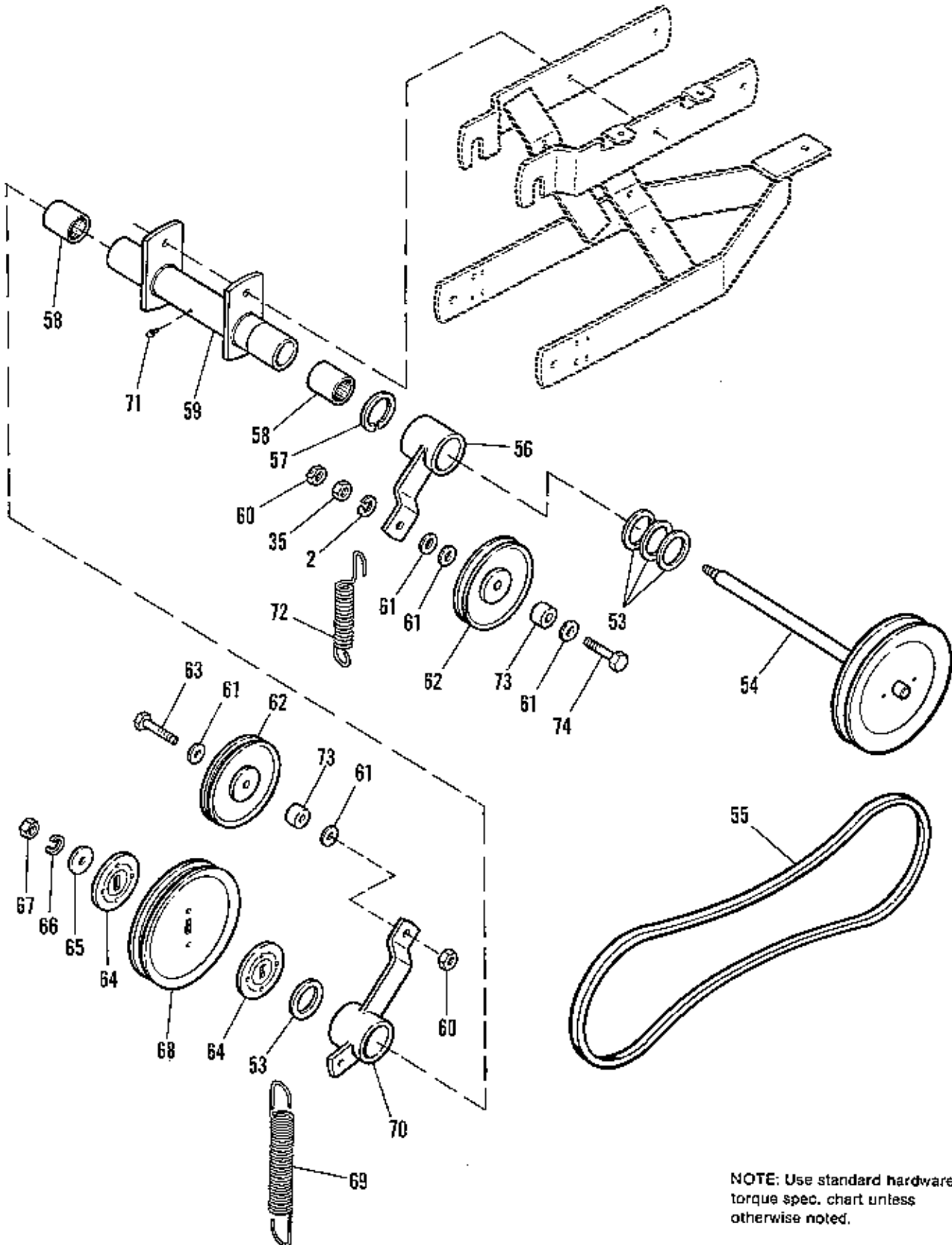
See Roving Nozzle Group

NOTE: Use standard hardware torque spec. chart unless otherwise noted.



Ref. No.	Part No.	Qty.	Description
1	1921210	4	CAPSCREW, Hex Hd., 3/8-16 x 1
2	1916965	11	LOCKWASHER, 3/8
3	164206	1	GUARD, Belt
4	1925205	2	CAPSCREW, Hex Hd., 5/16-18 x 5/8
5	1917356	2	LOCKWASHER, 5/16
6	164205	1	BRACKET, Belt Guard
7	930670	2	KEY, Hi-Pro
8	1669967	1	HOSE, Exhaust
9	1928866	2	SCREW, Rd. Hd., 1/4-20 x 3
10	123067	1	CLAMP, Hose
11	1916964	11	LOCKWASHER, 1/4
12	1916622	11	NUT, Hex, Full, 1/4-20
13	123012	1	HOUSING HALF ASSY., Blower
14	123087	1	BEARING ASSY., Flange & Shaft
15	123015	1	FAN ASSY.
16	177084	1	DECAL, Caution
17	123107	1	DEFLECTOR
18	919804	2	SCREW, Round Hd., Thread Forming, #10 x 3/8
19	177271	2	CLAMP, Bar
20	108848	2	NUT, Wing
21	1928698	2	LOCKNUT, Hex, Jam, 5/16-18
22	123065	1	CLAMP, Hose
23	177334	1	ELBOW ASSY. (Incl. Ref. No. 24)
24	123111	1	FLANGE, Hose
25	177268	1	HOUSING ASSY.
26	1921958	9	CAPSCREW, Hex Hd., 1/4-20 x 1/2
27	1918196	3	PIN, Quick
28	118053	1	PIN
29	1928721	1	SETSCREW, 5/16-18 x 1/2
30	1920415	4	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
31	1921965	1	CAPSCREW, Hex Hd., 3/8-16 x 3/4
32	106663	1	PULLEY
33	928701	2	NUT, Retainer, 5/16-18
34	1665706	1	V-BELT
35	1916950	7	NUT, Hex, Full, 3/8-16
36	1668032	1	SUPPORT ASSY., Blower Housing
37	1678552	1	WASHER, Eccentric
38	1666525	1	TUBE, Intake
39	1926018	3	NUT, Speed, 1/4-20
40	1935023	3	SCREW, Wing, 1/4-20 x 5/8
41	1669153	1	COVER
42	1669154	1	SUPPORT
43	1930531	9	SCREW, Truss Hd., #10-32 x 1/2
44	1916955	18	WASHER, Plain, 3/16
45	1909055	9	LOCKWASHER, Int., #10
46	1917415	9	NUT, Hex, Mach., #10-32
47	155037	2	PIN
48	157695	1	COLLAR, Set
49	1930540	1	SETSCREW, 5/16-18 x 5/8
50	154216	1	SHAFT, Lift
51	8021010	1	COLLAR, Set
52	1928721	1	SETSCREW, Sq. Hd., Cup Pt., 5/16-18 x 1/2

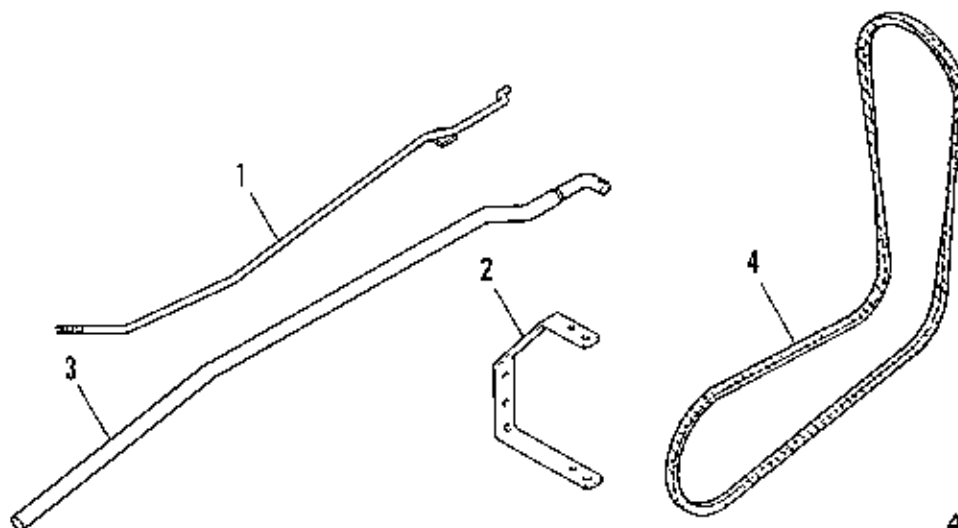
NOTE: Parts Ref. Nos. 53-74 continued on the following page.



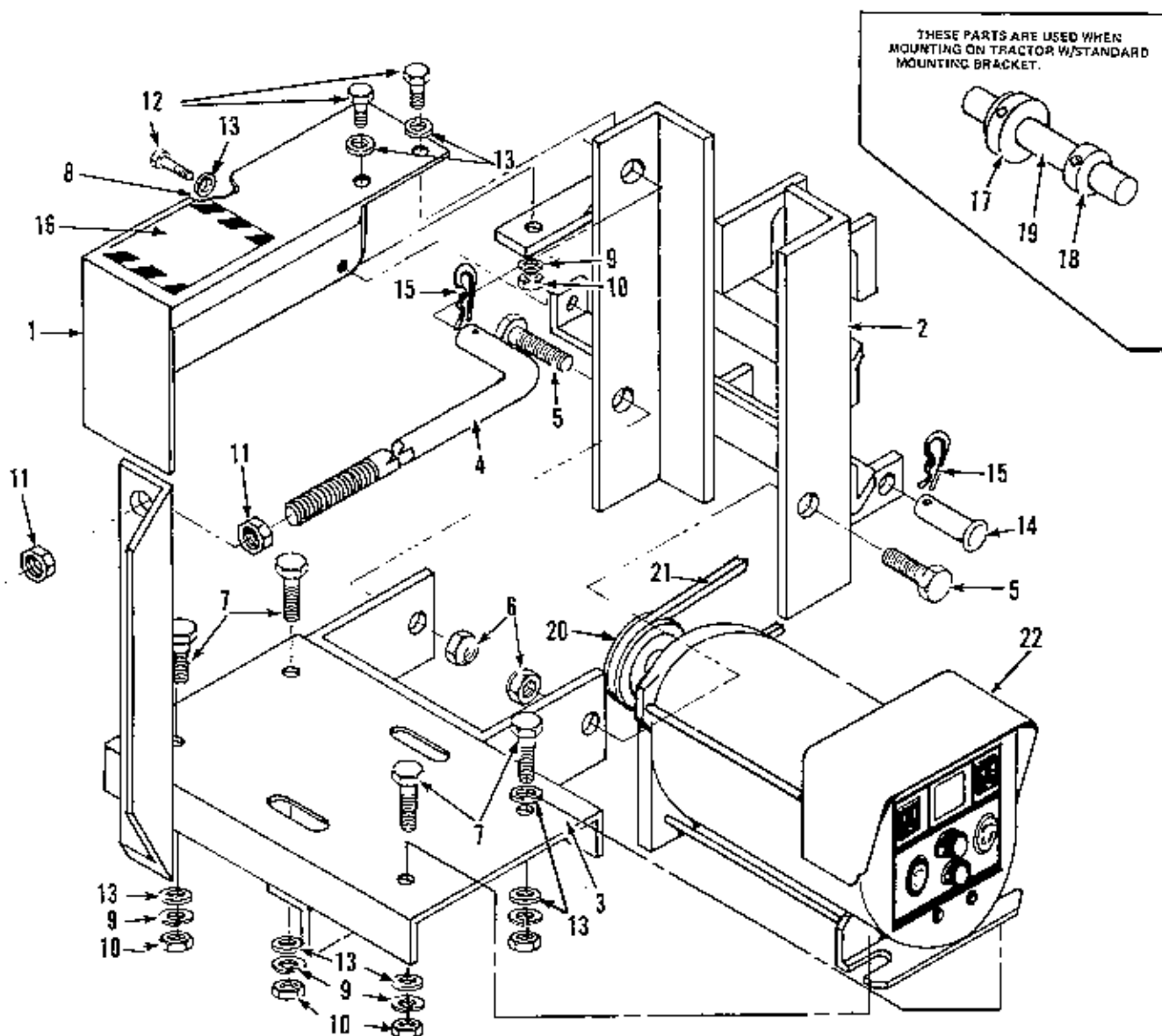
NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
53	8141003	4	WASHER
54	1669157	1	SHAFT ASSY.
55	1713549	1	V-BELT
56	164199	1	ARM ASSY., Tension
57	932726	1	RING, Retaining
58	154258	2	BEARING, Needle
59	1669155	1	HOUSING ASSY., Bearing (Incl. Ref. No. 58, Qty. 2)
60	923428	2	LOCKNUT, Hex, 3/8-16
61	1917378	5	WASHER, Plain, 3/8
62	1685150	2	PULLEY ASSY., Idler
63	1921969	1	CAPSCREW, Hex Hd., 3/8-16 x 1-1/2
64	158196	2	WASHER, Special
65	1924361	1	WASHER, Plain, 7/16
66	1918199	1	LOCKWASHER, 7/16
67	1918213	1	NUT, Hex, Full, 7/16-14
68	158195	1	PULLEY
69	159108	1	SPRING, Tension
70	164195	1	ARM ASSY., Idler
71	914687	1	FITTING, Grease
72	159159	1	SPRING
73	1666294	2	SPACER
74	1923701	1	CAPSCREW, Hex Hd., 3/8-16 x 2

NOTE: Parts Ref. Nos. 1-52 found on preceding page.



Alternator w/Bracket



Mfg. No. 1690542

Snowthrower Kit

Ref. No.	Part No.	Qty.	Description
1	1666031	1	ROD ASSY., Clutch
2	1666022	1	FORK, Clutch
3	1666285	1	ROD, Lift
4	1666324	1	V-BELT

Mfg. No. 1690558

Alternator w/Bracket

Ref. No.	Part No.	Qty.	Description
1	1667202	1	GUARD, Belt
2	1667203	1	BRACKET, Tractor Mounting
3	1667205	1	BRACKET, Alternator Mounting
4	1667204	1	ROD, Belt Tension
5	1921176	2	CAPSCREW, 1/2-13 x 1-1/4
6	1922134	2	LOCKNUT, Hex, 1/2-13
7	1921333	4	CAPSCREW, 5/16-18 x 1
8	106719	1	DECAL, Simplicity
9	1917356	7	LOCKWASHER, 5/16
10	1917372	7	NUT, Hex, 5/16-18
11	1916951	2	NUT, Hex, 1/2-13
12	1921332	3	CAPSCREW, 5/16-18 x 3/4
13	1917377	8	WASHER, Plain, 5/16
14	155037	2	PIN, 7/16 x 1-3/4
15	1960033	3	PIN
16	1667207	2	DECAL, Warning
17	157695	1	COLLAR, Set
18	8021010	1	COLLAR, Set
19	154216	1	SHAFT, Support
20	164202	1	PULLEY
21	108508	1	V-BELT
*22		1	ALTERNATOR

Items Not Shown

1930544	1	SETSCREW, 5/16-18 x 3/8
905850	1	KEY, 3/16 x 3/16 x 1

***Order repair parts for alternator from:**

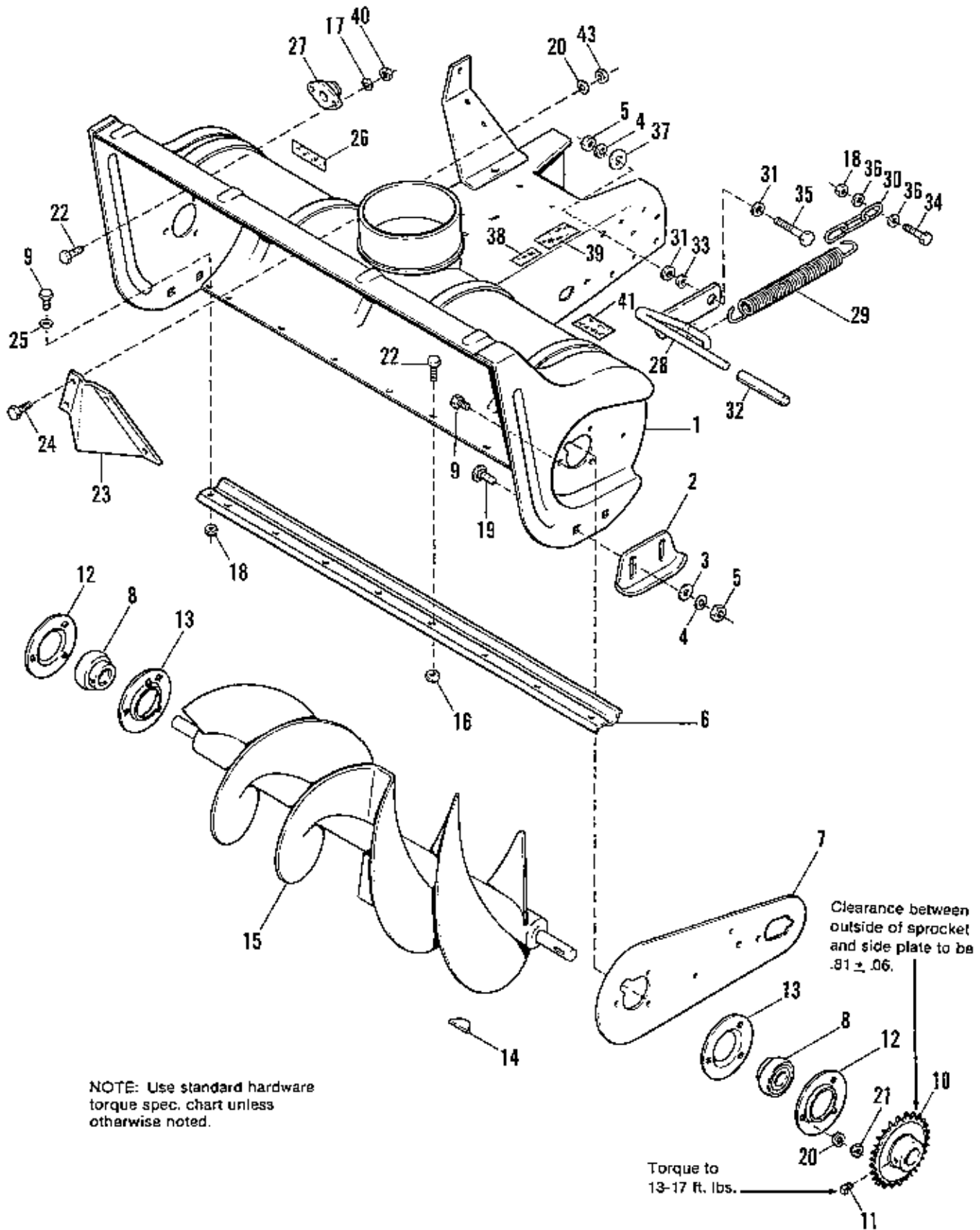
GENERAC

P.O. Box 8

Waukesha, WI 53187-9987

Phone 414-544-4811

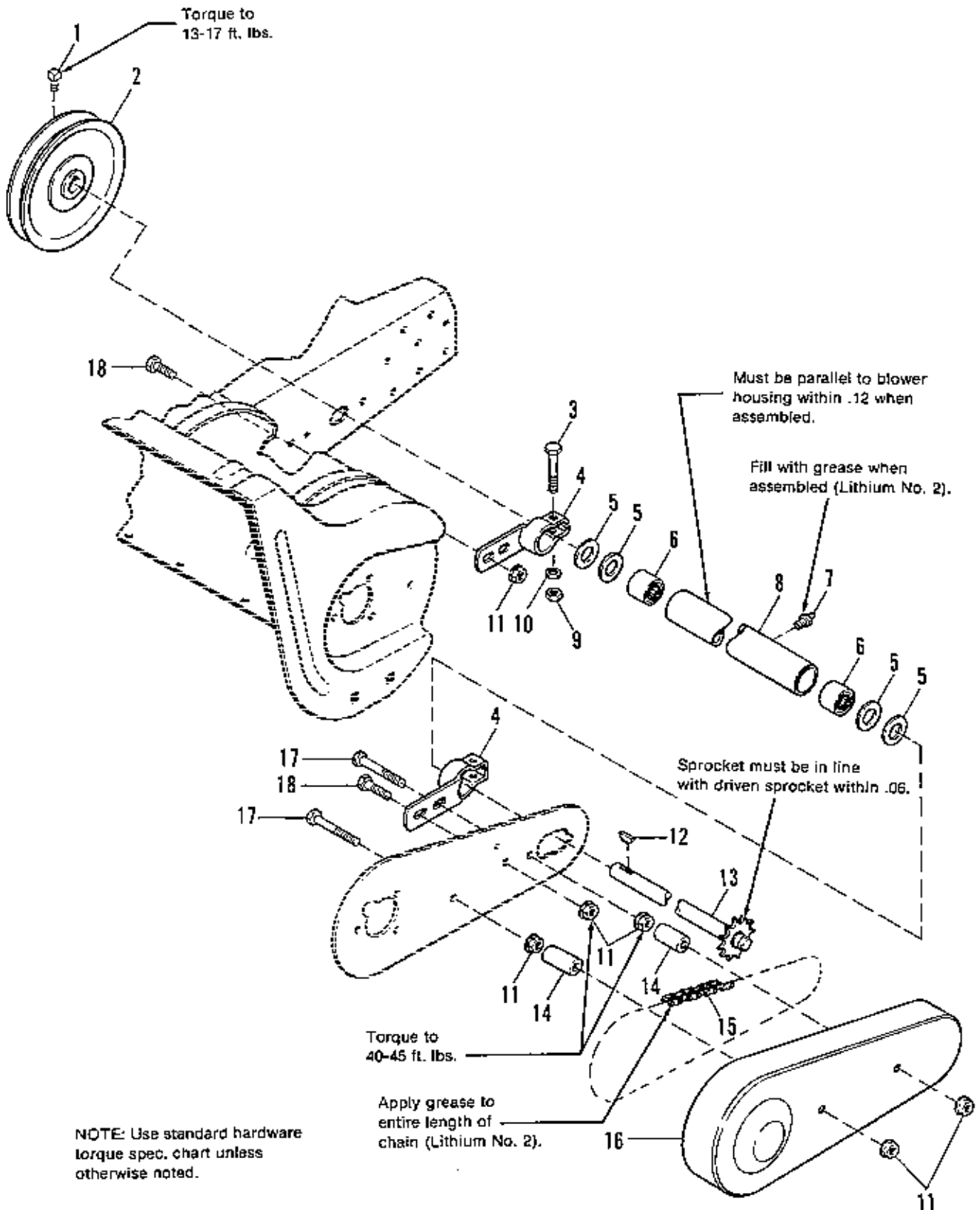
Refer to generator I.D. number on alternator.



36" & 42" Snowthrower - Body & Rotor Group

Ref. No.	Part No.	Qty.	Description
1	1713541	1	BODY & FRAME ASSY. (Mfg. Nos. 1690547, 1691521 only)
	1713542	1	BODY & FRAME ASSY. (Mfg. Nos. 1690548, 1691522 only)
2	177434	2	SKID
3	1924940	4	WASHER, Plain, 3/8
4	1916965	4	LOCKWASHER, 3/8 (Qty. 5 on Mfg. Nos. 1691521, 1691522)
5	1916950	4	NUT, Hex, Full, 3/8-16 (Qty. 5 on Mfg. Nos. 1691521, 1691522)
6	106863	1	SCRAPER, Body (Mfg. No. 1690547 only)
	106746	1	SCRAPER, Body (Mfg. No. 1690548 only)
7	1676632	1	PLATE, Side
8	173934	2	BEARING, Cartridge
9	1921332	8	CAPSCREW, Hex, 5/16-18 x 3/4
10	106653	1	SPROCKET, Rotor
11	1928721	1	SETSCREW, 5/16-18 x 5/16
12	172278	2	FLANGE, Bearing
13	172279	2	FLANGE, Bearing
14	151040	1	KEY
15	106856	1	ROTOR ASSY. (Mfg. Nos. 1690547, 1691521 only)
	106748	1	ROTOR ASSY. (Mfg. Nos. 1690548, 1691522 only)
16	1923358	2	Nut, Hex, Lock, 1/4-20 (Qty. 10 on Mfg. Nos. 1690548, 1691522)
17	1916964	9	LOCKWASHER, 1/4 (Qty. 10 on Mfg. Nos. 1690548, 1691522)
18	1923362	2	LOCKNUT, Hex, 5/16-18 (Qty. 3 on Mfg. Nos. 1691521, 1691522)
19	1922110	4	CARRIAGE BOLT, 3/8-16 x 3/4
20	1917356	4	LOCKWASHER, 5/16
21	1917372	4	NUT, Hex, Full, 5/16-18
22	1921959	9	CAPSCREW, Hex, 1/4-20 x 5/8 (Qty. 10 on Mfg. Nos. 1690548, 1691522)
23	106774	1	DEFLECTOR
24	925205	4	CAPSCREW, Hex, 5/16-18 x 5/8
25	1919326	2	WASHER, Plain, 1/4
26	1679206	1	DECAL, Safety
27	171388	1	BEARING
* 28	1701917	1	LEVER ASSY.
* 29	1675232	1	SPRING
* 30	1656835	1	CHAIN, 3 Link
* 31	1924356	2	WASHER
* 32	176934	1	GRIP
* 33	108717	1	SPACER
* 34	1921977	1	CAPSCREW, 5/16-18 x 1-1/4
* 35	1921969	1	CAPSCREW, Hex, 3/8-16 x 1-1/2
* 36	1919381	2	WASHER, Plain, 5/16
* 37	1922755	1	WASHER
38		1	I.D. Plate
* 39	1701940	1	DECAL, Caution
40	1916622	2	NUT, Hex, 1/4-20
41	1677485	1	DECAL, Danger
42	1935048	6	NUT, Hex, Flange Lock, 5/16-18
43	1923362	1	NUT, Hex, Lock, 5/16-18

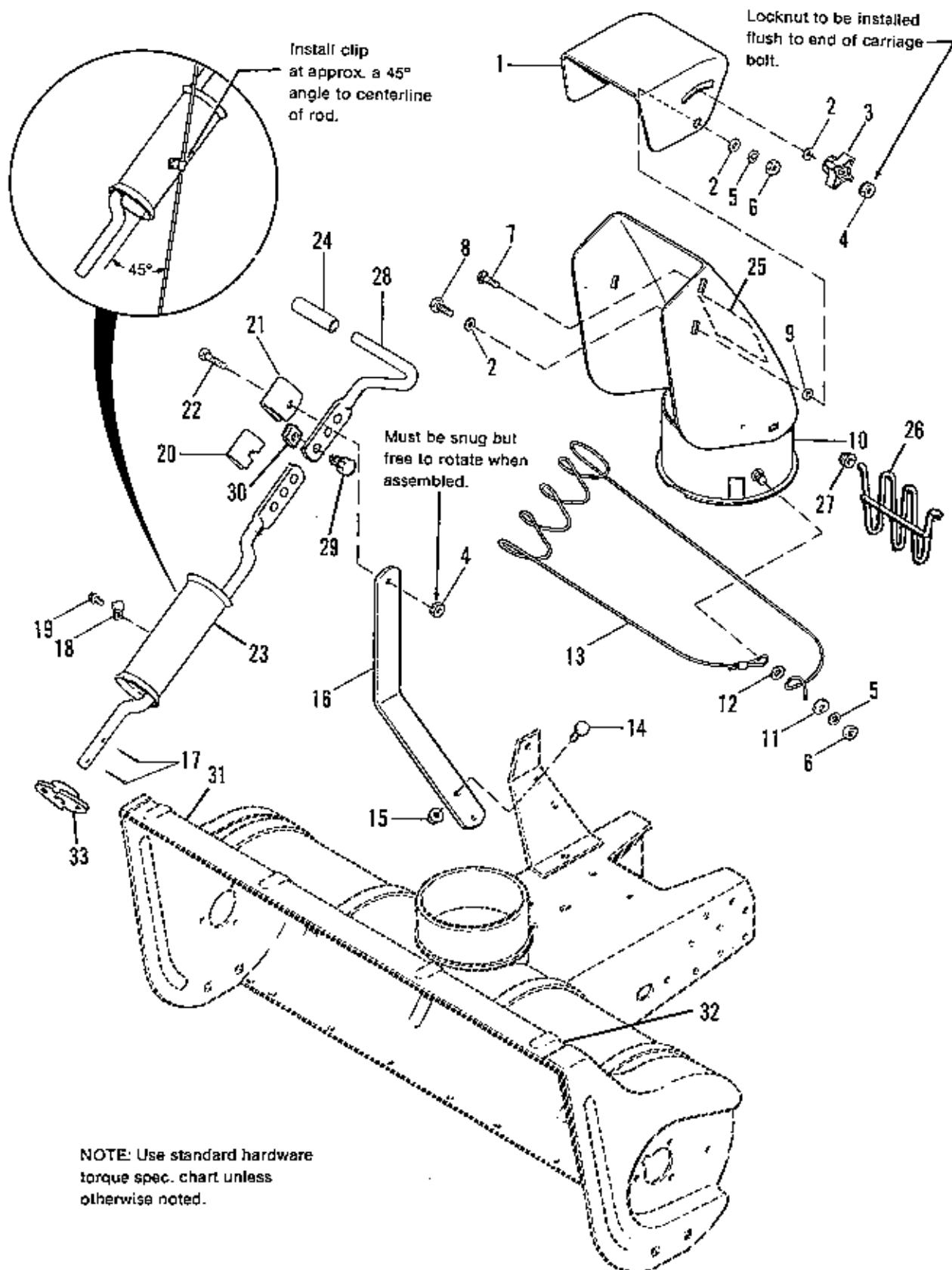
*Used on 1691521 & 1691522 only.



Mfg. Nos. 1690547, 1690548, 1691521, 1691522

36" & 42" Snowthrower - Drive Group

Ref. No.	Part No.	Qty.	Description
1	1928721	1	SETSCREW, 5/16-18 x 1/2
2	171248	1	PULLEY
3	1922127	2	CAPSCREW, Hex, 5/16-18 x 1-3/4
4	1666145	2	CLAMP
5	8061012	4	WASHER
6	154258	2	BEARING, Needle (Use with Ref. No. 8)
7	1921133	1	FITTING, Grease
8	1651084	1	HOUSING ASSY., w/Bearings (Mfg. Nos. 1690547, 1691521 only)
	1650955	1	HOUSING ASSY., w/Bearings (Mfg. Nos. 1690548, 1691522 only)
9	1917372	2	NUT, Hex, Full, 5/16-18
10	1917356	2	LOCKWASHER, 5/16
11	1928352	7	LOCKNUT, Flange, 3/8-16
12	905123	1	KEY
13	106860	1	SHAFT ASSY. (Mfg. Nos. 1690547, 1691521 only)
	106757	1	SHAFT ASSY. (Mfg. Nos. 1690548, 1691522 only)
14	1669105	2	SPACER
15	171242	1	CHAIN (Auger Drive)
16	1676738	1	GUARD, Chain
17	1960244	2	SCREW, Hex, Whizlock, 3/8-16 x 2-3/4
18	1934654	3	SCREW, Hex, Whizlock, 3/8-16 x 1, Gr. 5

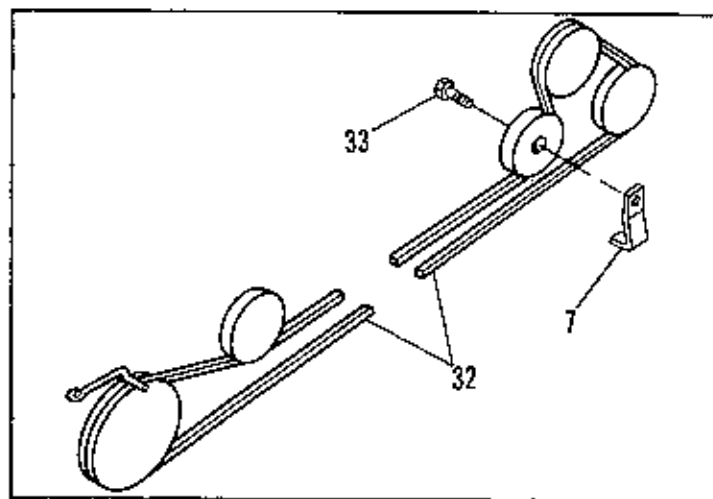


36" & 42" Snowthrower - Spout Group

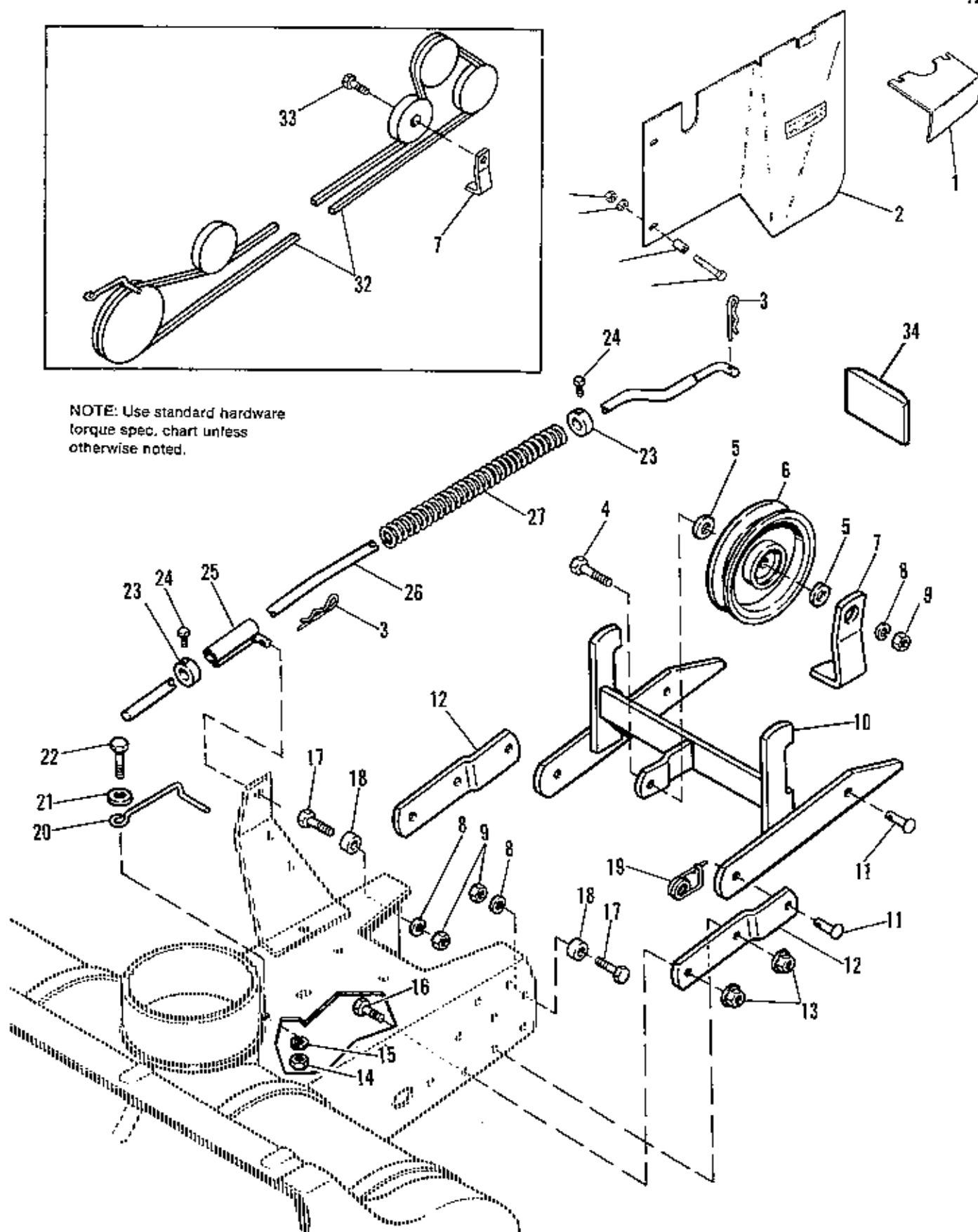
Ref. No.	Part No.	Qty.	Description
1	1667791	1	DEFLECTOR
2	1917642	3	WASHER, Plain, 5/16
3	1670578	1	KNOB, 5/16-18 x 1
4	1923362	2	LOCKNUT, Hex, 5/16-18
5	1917356	3	LOCKWASHER, 5/16
6	1917372	3	NUT, Hex, Full, 5/16-18
7	1920563	1	CARRIAGE BOLT, 5/16-18 x 1
8	1936482	2	SCREW, Truss Hd., 5/16-18 x 3/4
9	1667790	2	SPACER
10	1704294	1	CHUTE ASSY.
11	171379	1	WASHER, Cup
12	1919326	1	WASHER, Plain, 5/16
13	171362	1	CABLE ASSY.
14	1921210	3	CAPSCREW, Hex, 3/8-16 x 1
15	1930645	3	NUT, Hex, Flange, 3/8-16
16	1707522	1	ARM, Support
17	1918447	2	COTTER PIN, 3/32 x 3/4
18	171382	1	CLAMP
19	1927428	1	SCREW, Hex, Tapite, 1/4-20 x 3/8
20	121175	1	LINER
21	152050	1	GUIDE, Rod
22	1921221	1	CAPSCREW, Hex, 5/16-18 x 1-1/2
23	1713417	1	ROD ASSY., Spout
24	176933	1	GRIP, Handle
25	1677488	1	DECAL, Danger
26	1704446	1	GUARD, Chute Assy.
27	1960126	2	PUSH NUT
* 28	1713419	1	HANDLE, Spout Control
29	1923325	2	CAPSCREW, Hex Hd., 5/16-18 x 7/8
30	1935048	2	NUT, Hex, Flange Lock, 5/16-18
31	1679206	1	DECAL, Caution
32	1677485	1	DECAL, Safety
33	171388	1	BEARING, Self-Align, 1/2 I.D.

NOTE: Early style one-piece spout control handles can be replaced with Service Kit Part No. 1686618 which includes Ref. Nos. 23, 28, 29, 30 & 33.

*When used in conjunction with Mfg. No. 1690496 (Snow Cab) order Kit No. 1686619, which includes Qty. 1 of Part No. 1713483 (Handle) along with Ref. Nos. 23, 29 & 30.



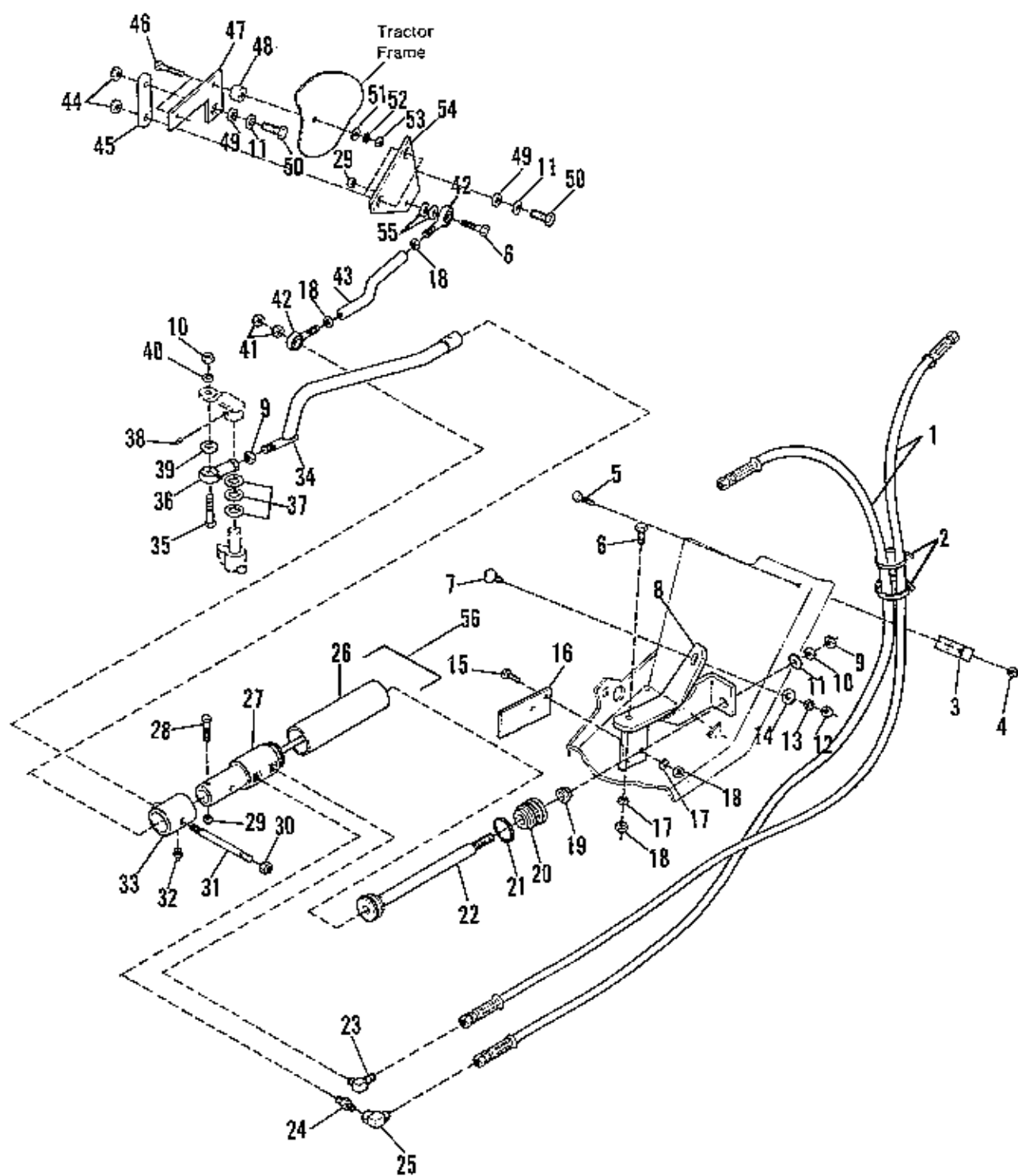
NOTE: Use standard hardware torque spec. chart unless otherwise noted.



36" & 42" Hitch and Winterizing Kit

Ref. No.	Part No.	Qty.	Description
* 1	177048	1	SHIELD, Carburetor
* 2	1665789	1	DEFLECTOR ASSY
3	106788	2	CLIP, Spring
4	1923701	1	CAPSCREW, Hex Hd, 3/8-16 x 2
5	1924940	2	WASHER, Plain, 3/8
6	171247	1	PULLY, Idler
7	162115	2	STOP, Belt
8	1916965	3	LOCKWASHER, 3/8
9	1916950	3	NUT, Hex, Full, 3/8-16
10	1666785	1	HITCH ASSY
11	156306	4	PIN
12	177565	2	CLIP, Frame
13	1930650	4	LOCKNUT, Hex, Flange, 7/16-14
14	1917372	1	NUT, Hex, Full, 5/16-18
15	1917356	1	LOCKWASHER, 5/16
16	1920676	4	CAPSCREW, Hex Hd, 7/16-14 x 1
17	1920415	2	CAPSCREW, Hex Hd, 3/8-16 x 1-1/4
18	174242	2	SPACER
19	176012	4	CLIP, Spring
20	1667698	1	STOP, Belt
21	1919326	1	WASHER, Plain, 5/16
22	1921332	1	CAPSCREW, Hex Hd, 5/16-18 x 3/4
23	8031007	2	COLLAR, Set
24	1928721	2	SETSCREW, 5/16-18 x 1/2
25	171679	1	GUIDE ASSY, Rod
26	1666285	1	ROD, Lift
27	171011	1	SPRING
*28	1921960	2	CAPSCREW, Hex Hd, 1/4-20 x 1
*29	172656	2	SPACER
*30	1916964	2	LOCKWASHER, 1/4
*31	1916622	2	NUT, Hex, Full, 1/4-20
32	1666798	1	V-BELT, Drive
33	1922130	1	CAPSCREW, Hex Hd, 3/8-16 x 2-1/4
34	1676267	2	REFLECTOR, Rear

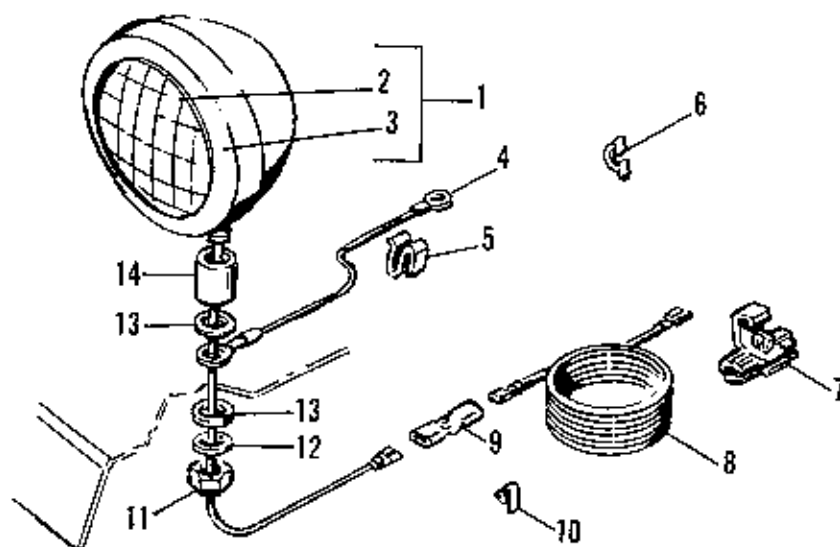
*Winterizing Kit, Part No. 1690565 Includes Ref. Nos. 1, 2, 28, 29, 30 & 31; for use with Briggs & Stratton 16 HP single cylinder only.



Power Steering Kit

Ref. No.	Part No.	Qty.	Description
1	1676688	2	HOSE, Hydraulic
2	1676698	2	TIE, Plastic
3	1676703	1	CLAMP, Hose
4	1923358	1	LOCKNUT, 1/4 x 20
5	908297	1	BOLT, 1/4-20 x 1-1/4
6	1700875	2	BOLT, 3/8-14 x 1-1/4
7	1921212	1	BOLT, 7/16-14 x 1-1/2
8	1676689	1	BRACKET, Footrest
9	1919262	2	NUT, Jam, 1/2-20
10	918423	2	NUT, 1/2-20
11	1924361	4	WASHER, 1/2
12	1918213	1	NUT, 7/16-13
13	1918199	1	LOCKWASHER, 7/16
14	1925125	1	WASHER, 7/16
15	927008	2	BOLT, 3/8 x 24 x 1
16	1676706	1	STOP, Mower (42" mower only)
17	1916965	3	LOCKWASHER, 3/8
18	1918602	5	NUT, 3/8 x 24
19	1676705	1	BUSHING, Flanged
* 20	1676850	1	GLAND ASSY.
* 21	1676851	1	LOCKWIRE
* 22	1676849	1	PISTON ROD ASSY.
23	1676693	1	FITTING, Elbow
24	1676695	1	ADAPTOR
25	1676694	1	FITTING, Elbow
* 26	1676852	1	TUBE, Cylinder
* 27	1676847	1	VALVE ASSY.
28	927322	1	BOLT, 3/8 x 2
29	1668927	2	NUT, Self-locking, 3/8-24
* 30	1930651	1	NUT, Nyloc
* 31	1676844	1	STUD, Actuator
* 32	1676848	1	FITTING, Grease
* 33	1676845	1	SLEEVE, Actuator
34	1676690	1	WELDMENT, Cylinder Extension
35	1676708	1	BOLT, 1/2-20 x 1-3/4
36	1676697	1	BALL JOINT, Female, 1/2
37	1960114	3	WASHER, Special
38	1930544	1	SETSCREW, 5/16-18 x 3/8
39	1676704	1	SPACER
40	1916966	1	LOCKWASHER, 1/2
41	1916950	2	NUT, 3/8-16
42	1676696	2	BALL JOINT, Male, 3/8
43	1676707	1	LINK, Drag
44	1930245	3	LOCKNUT, 1/2-20
45	1676701	1	LINK
46	1922127	2	BOLT, 5/16-18 x 1-3/4
47	1676699	1	PLATE, Pivot
48	1676700	2	SPACER, "L" Bracket
49	1676702	3	BUSHING
50	924119	3	BOLT, 1/2-20 x 1-1/4
51	1919326	2	WASHER, 5/16-16 x 3/4
52	1917356	2	LOCKWASHER, 5/16
53	1917372	2	NUT, 5/16 x 18
54	1676691	1	BRACKET, Carrier
55	1960103	2	WASHER, 3/8-16 x 3/4
56	1676687	1	CYLINDER VALVE ASSY.
	1676846	1	SEAL KIT, Valve (not shown)
	1676853	1	SEAL KIT, Cylinder (not shown)

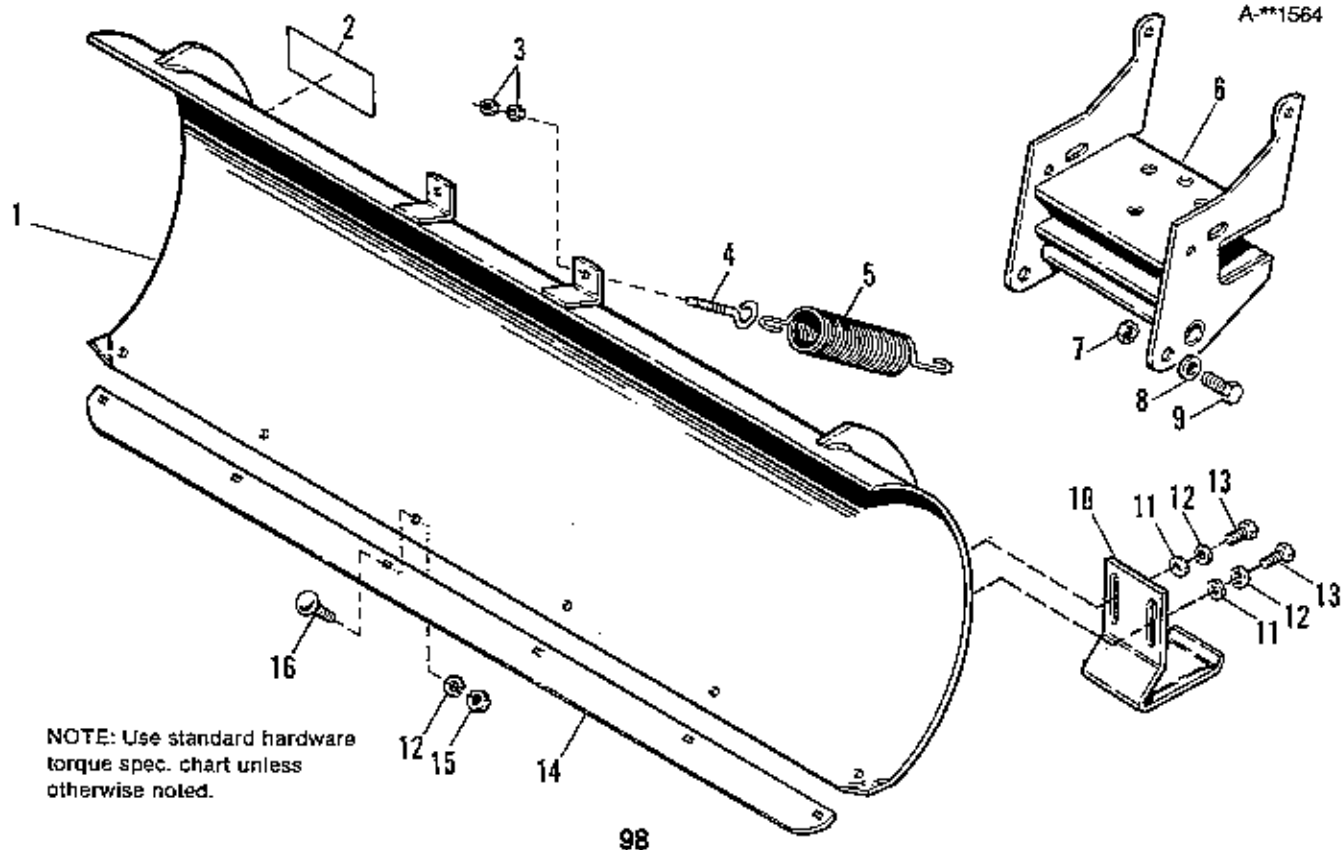
*Service parts for valve.



NOTE: Use standard hardware torque spec. chart unless otherwise noted.

42" Dozer Blade

A-**1564



NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Mfg. No. 1691196

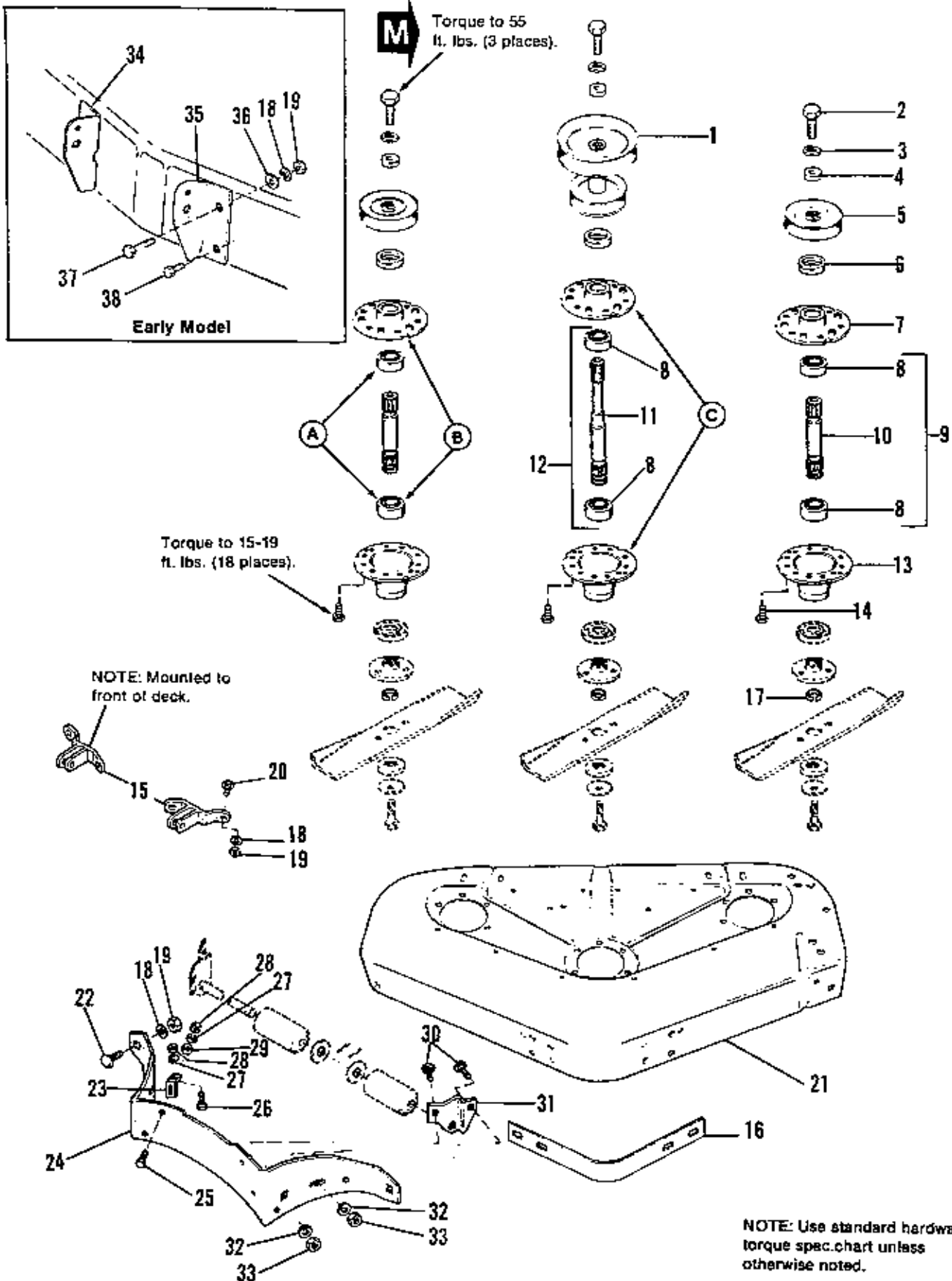
Rear Light Kit

Ref. No.	Part No.	Qty.	Description
1	122175	1	LAMP ASSY.
2		1	LAMP, Seal Beam (Order Ref. No. 1)
3	1679887	1	RING
4	1679160	1	WIRE
5	172434	2	CLIP, Wire
6	934683	1	CLIP, Wire
7	1605751	1	CONNECTOR
8	122187	1	WIRE
9	122157	1	CONNECTOR
10	122159	1	CLIP, Wire
11	1916951	1	NUT, Hex, 1/2-13, Unc 2B, Steel
12	1916966	1	LOCKWASHER, Spring, 1/2, Plated
13	1924361	2	WASHER, Plain, 7/16
14	122053	1	SPACER

Mfg. No. 1691520

42" Dozer Blade

Ref. No.	Part No.	Qty.	Description
1	1701477	1	BLADE ASSY.
2		1	I.D. PLATE
3	1917372	4	NUT, Hex, Full, 5/16-18
4	1675198	2	EYEBOLT
5	101126	2	SPRING, Tension
6	1701482	1	FRAME ASSY., Pivot
7	1922134	2	NUT, Hex Lock, 1/2-13
8	105051	2	SPACER
9	1920328	2	CAPSCREW, Hex, 1/2-13 x 1
10	107106	2	SHOE ASSY.
11	1917378	4	WASHER, PLAIN, 3/8
12	1916965	10	LOCKWASHER, 3/8
13	1921965	4	CAPSCREW, Hex Hd., 3/8-16 x 3/4
14	107045	1	PLATE, Wear
15	1916950	6	NUT, Hex Full, 3/8-16
16	1931350	6	CARRIAGE BOLT, 3/8-16 x 1



42" Rotary Mower - Housing & Arbor Group

Ref. No.	Part No.	Qty.	Description
1	1656929	1	PULLY ASSY.
2	1923471	3	CAPSCREW, Hex Hd., 7/16-14 x 1-1/4
3	1918199	3	LOCKWASHER, 7/16
4	1933263	3	WASHER, Plain, 29/64
5	1655867	2	PULLEY ASSY., Deck Drive
6	1657969	3	SHIELD, Bearing Upper
7	1655729	3	HOUSING, Top
8	108202	6	BEARING
9	1685251	2	SHAFT & BEARING ASSY., Side (Includes Ref. Nos. 8, 10 & 17)
10	1685245	2	SHAFT, Arbor, Side (Includes Ref. No. 17)
11	1685246	1	SHAFT, Arbor, Center (Includes Ref. No. 17)
12	1685252	1	SHAFT B, BEARING ASSY., Center (Includes Ref. Nos. 8, 11 & 17)
13	1703273	3	HOUSING, BOTTOM
14	1664847	18	SCREW, Hex Wash. Hd., Tapite, 5/16-18 x 3/4
*15	108219	2	FRONT BRACKET ASSY.
*16	108366	1	BAR, Reinforcement
17	1672132	3	COLLAR, Mower Arbor
18	1916965	6	LOCKWASHER, 3/8
19	1916950	6	NUT, Hex, Full, 3/8-16
*20	1922109	4	BOLT, Carriage 3/8-16 x 1-1/4
21	1685281	1	HOUSING, 42"
22	1922110	2	BOLT, Carriage, 3/8-16 x 3/4
23	108186	2	CLIP, Baffle
24	1675587	1	BAFFLE
25	1921959	2	CAPSCREW, Hex Hd., 1/4-20 x 5/8
26	1925592	2	SCREW, Thd. Cutting, 1/4-20 x 3/4
27	1916964	4	LOCKWASHER, 1/4
28	1916622	4	NUT, Hex, Full, 1/4-20
29	1917377	2	WASHER, Plain, 1/4
30	1920562	2	CARRIAGE BOLT, 5/16-18 x 3/4
31	108224	1	BRACKET, Roller, L.H.
32	1917356	4	LOCKWASHER, 5/16
33	1917372	4	NUT, Hex, Full, 5/16-18
** 34	1651500	1	BRACKET, R.H.
** 35	1651499	1	BRACKET, L.H.
** 36	1924356	2	WASHER, 13/32
** 37	1921210	2	CAPSCREW, Hex Hd., 3/8-16 x 1
** 38	1921965	2	CAPSCREW, Hex Hd., 3/8-16 x 3/4

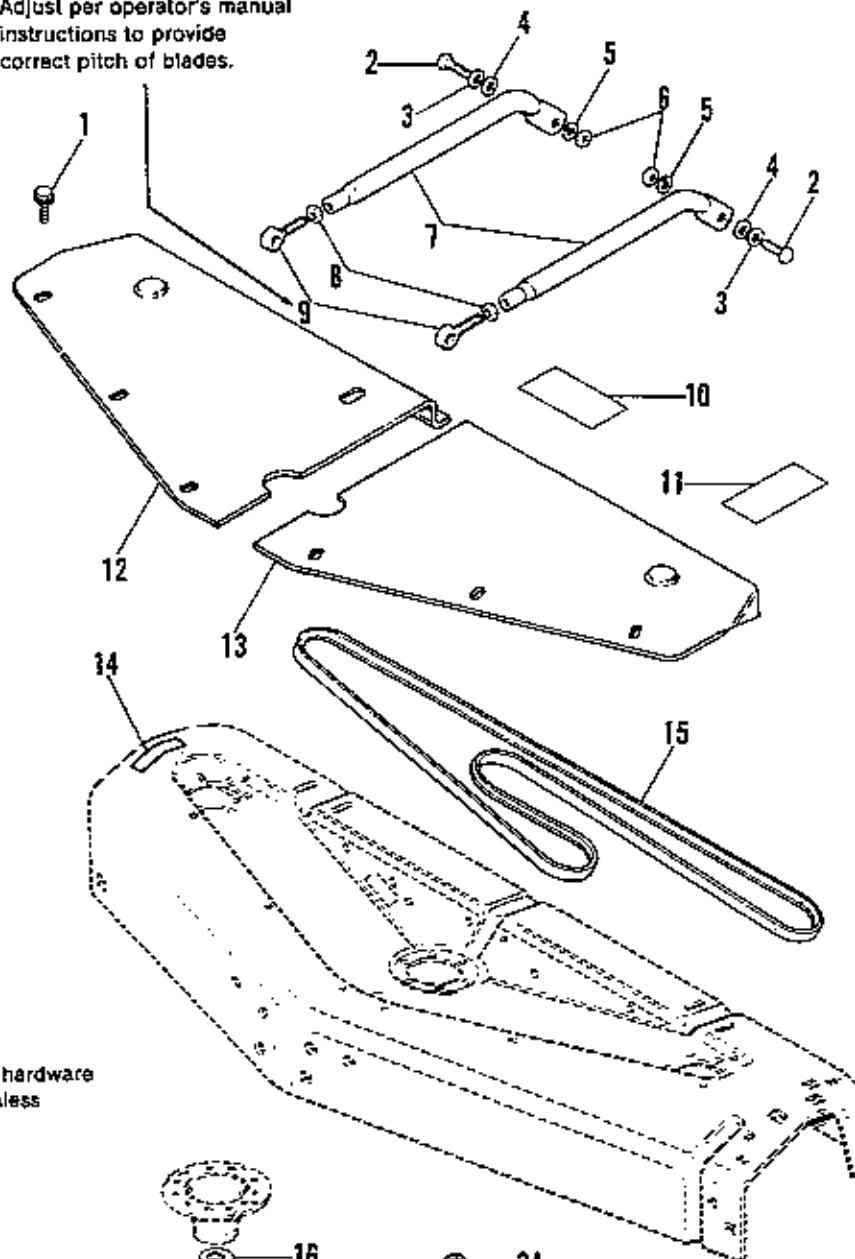
* Used after Serial No. 15122

** Used before Serial No. 15123

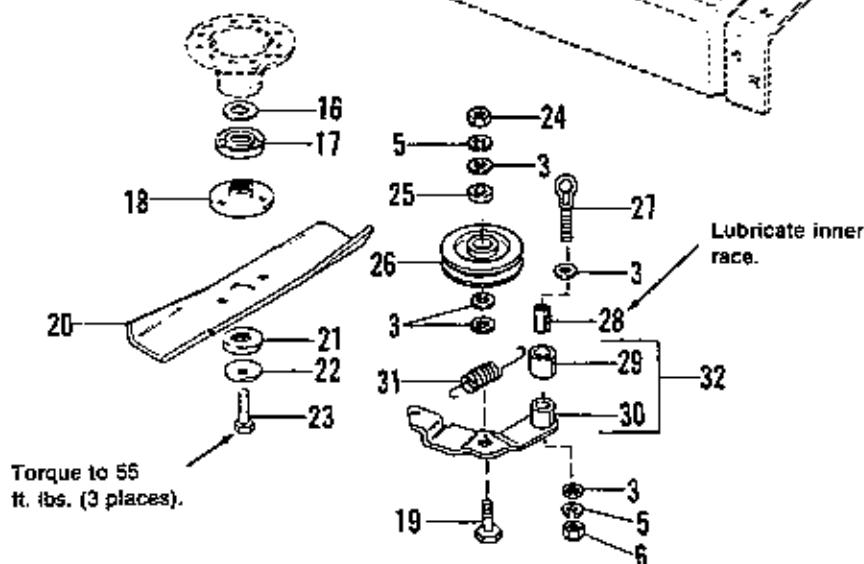
ASSEMBLY PROCEDURES - 42" Mower (Housing & Arbor Group)

- A. Press (2) bearings (Ref. No. 8) with land riding seal tacing up over shafts (Ref. No. 10 & 11) using pressure only on the inner face of the bearing.
- B. Assemble upper and lower arbor housings (Ref. Nos. 7 & 13) over bearings. Must be careful that housings do not cock on bearings. When upper and lower housing flanges come together proper alignment of holes in housing flanges are accomplished by aligning knockouts in lower housing flange with mating holes in upper housing flange. Also half holes in outer edge must match.
- C. Seal between flanges of upper arbor housing and lower arbor housing with gasket eliminator. Remove contaminants such as grease, heavy oils and dirt from flange surfaces before assembly. Avoid lateral movement between flange surfaces during assembly.

Adjust per operator's manual instructions to provide correct pitch of blades.

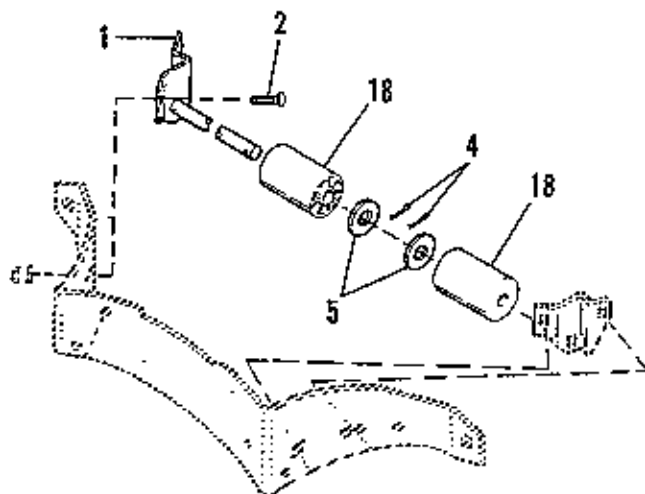


NOTE: Use standard hardware torque spec. chart unless otherwise noted.

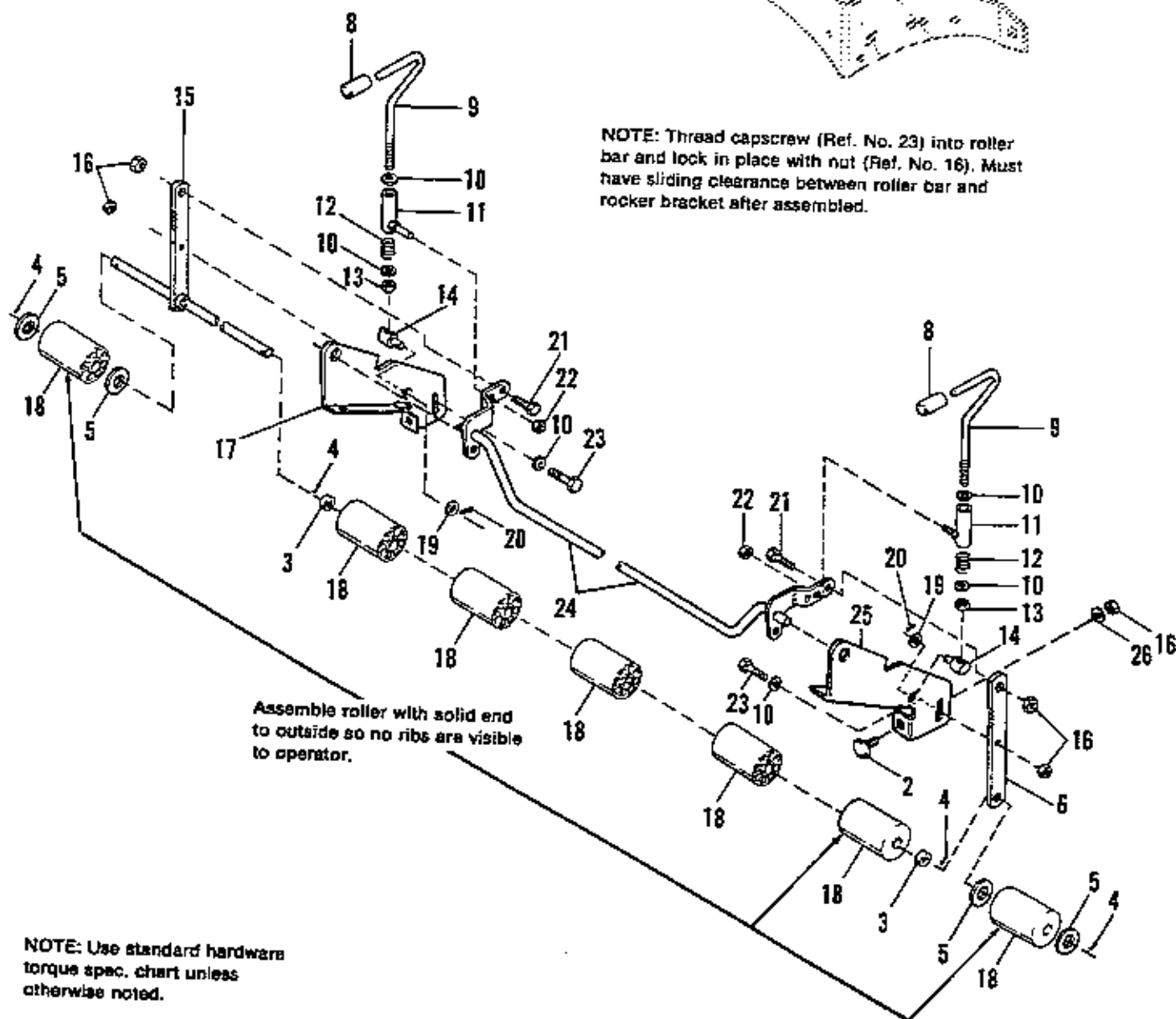


42" Rotary Mower - Cover, Drive & Bail Group

Ref. No.	Part No.	Qty.	Description
1	1929000	10	SCREW, Hex, Tapfit, 1/4-20 x 3/8
2	1921210	2	CAPSCREW, Hex Hd., 3/8-16 x 1
3	1917642	7	WASHER, Plain, 5/16
4	108717	2	SPACER
5	1916965	4	LOCKWASHER, 3/8
6	1916950	3	NUT, Hex, Full, 3/8-16
7	1651520	2	ARM, Adjusting
8	1919262	2	NUT, Hex, Jam, 1/2-20
9	157215	2	EYEBOLT
10	1709067	1	DECAL, Belt Installation
11	1704277	1	DECAL, Danger
12	1676095	1	COVER, R.H.
13	1676096	1	COVER, L.H.
14	17074276	1	DECAL, Danger
15	1656960	1	BELT, "V", Arbor Drive
16	1700230	3	WASHER, Shim
17	1700229	3	SHIELD, Grass
18	1655777	3	ADAPTOR, Blade
19	1960032	1	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
20	1656144	3	BLADE, 42" Mower
21	1656927	3	WASHER, Spline
22	1656916	3	WASHER, Spring
23	1923491	3	CAPSCREW, Hex Hd., 7/16-14 x 1
24	1917421	1	NUT, Hex, Jam, 3/8-16
25	1666294	1	SPACER
26	1685144	1	PULLEY ASSY.
27	171815	1	EYEBOLT
28	8171073	1	RACE, Inner
29	1657682	1	BUSHING
30		1	LEVER ASSY., Idler (See Ref. No. 32)
31	1656936	1	SPRING
32	1657684	1	LEVER ASSY., Idler (w/Bushing)



NOTE: Thread capscrew (Ref. No. 23) into roller bar and lock in place with nut (Ref. No. 16). Must have sliding clearance between roller bar and rocker bracket after assembled.



Assemble roller with solid end to outside so no ribs are visible to operator.

NOTE: Use standard hardware torque spec. chart unless otherwise noted.

42" Rotary Mower - Height Adjuster & Rollers Group

Ref. No.	Part No.	Qty.	Description
1	108426	1	BRACKET & SHAFT ASSY
2	1922110	4	BOLT, Carriage 3/8-16 x 3/4 (Qty 6 used on older models)
**3	172914	2	SPACER
4	1918458	6	PIN, Cotter 3/16 x 1
5	1919387	6	WASHER, Plain, 5/8
6	1657893	1	BAR, Roller
**7	1668513	4	ROLLER
8	1651820	2	GRIP
9	1650394	2	HANDLE, Adjusting
10	1917378	6	WASHER, Plain, 3/8
11	108241	2	SOCKET ASSY
12	108360	2	SPRING
13	1917421	2	NUT, Hex, Jam, 3/8-16
14	108512	2	PIVOT
15	1657894	1	SHAFT ASSY, Roller
16	1916950	8	NUT, Hex, Full, 3/8-16
17	172045	1	BRACKET, Roller, R H
*18	108432	3	ROLLER, 2-1/2 x 6-3/4
19	1924940	2	WASHER, Plain, 3/8
20	1918447	2	PIN, Cotter, 3/32 x 3/4
21	1921210	2	CAPSCREW, Hex Hd, 3/8-16 x 1
22	1930651	2	LOCKNUT, Hex, Full, 3/8-16
23	1935156	2	CAPSCREW, Hex Hd, 3/8-16 x 1, 5/8 Thd
24	1651514	1	ROCKER ARM ASSY
25	172044	1	BRACKET, Roller, L H
26	1916965	4	LOCKWASHER, 3/8

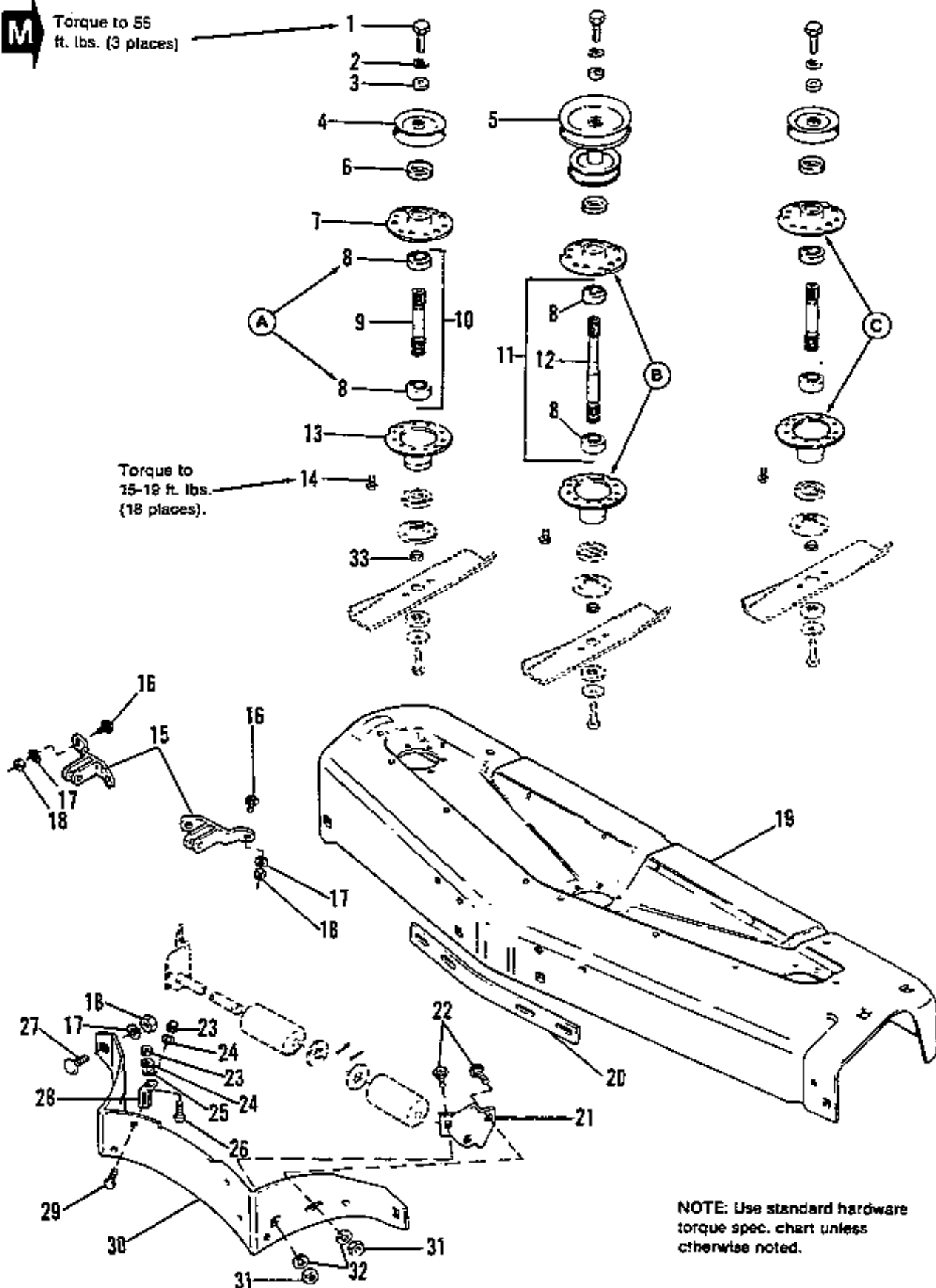
* Used before Serial No. 8577

** Used after Serial No. 8576



Torque to 55
ft. lbs. (3 places)

**102
**105
**106



NOTE: Use standard hardware
torque spec. chart unless
otherwise noted.

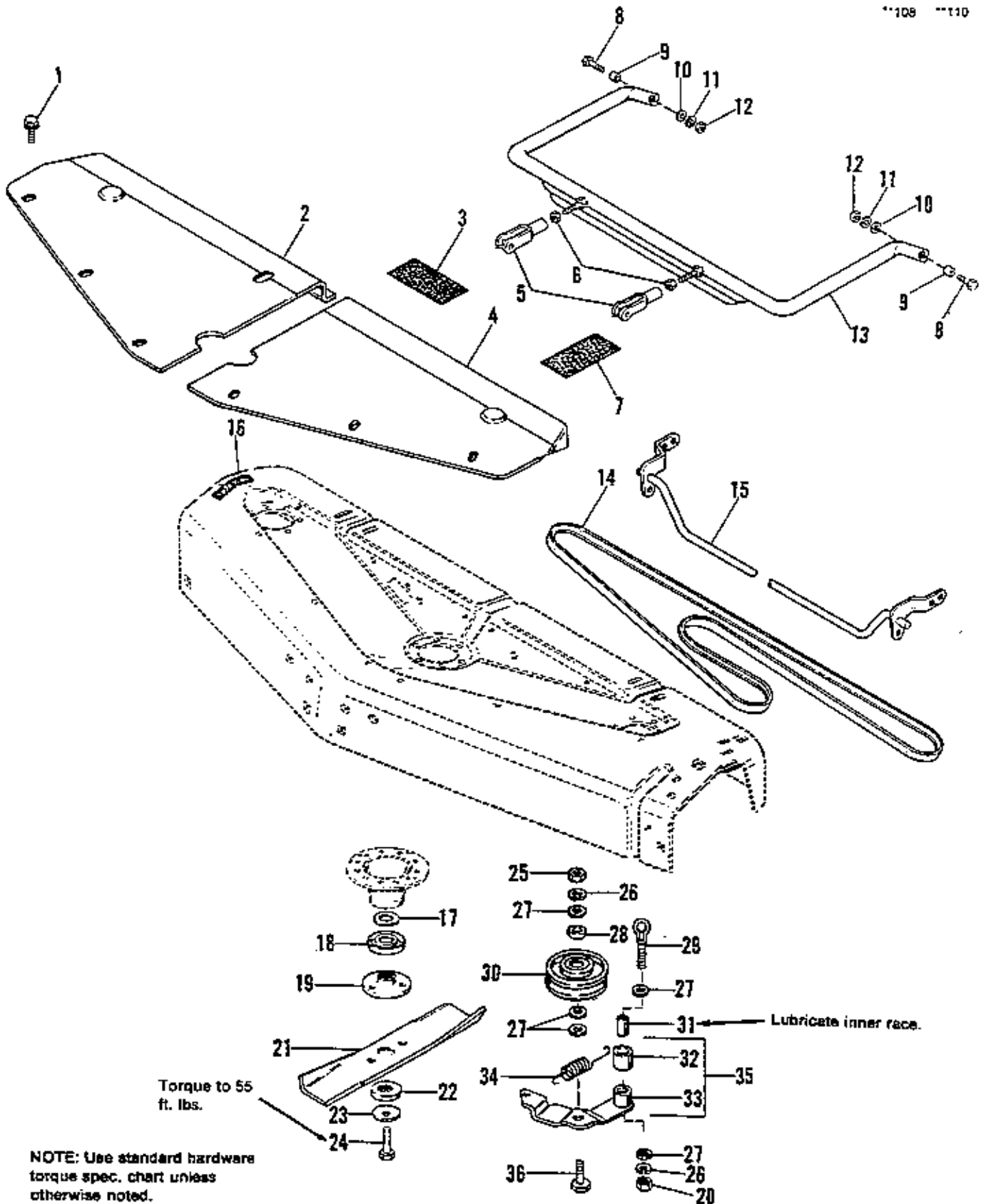
48" Rotary Mower - Housing & Arbor Group

Ref. No.	Part No.	Qty.	Description
1	1923471	3	CAPSCREW, Hex Hd., 7/16-14 x 1-1/4
2	1918199	3	LOCKWASHER, 7/16
3	1933263	3	WASHER, Plain, 29/64
4	1655867	2	PULLEY ASSY., Deck Drive
5	1656928	1	PULLEY ASSY.
6	1657969	3	SHIELD, Bearing Upper
7	1655729	3	HOUSING, Top
8	108202	6	BEARING
9	1685245	2	SHAFT, Arbor (Includes Ref. No. 33)
10	1685251	2	SHAFT & BEARING ASSY., Side (Includes Ref. No. 8, 9 & 33)
11	1685252	1	SHAFT & BEARING ASSY., Center (Includes Ref. Nos. 8, 12 & 33)
12	1685246	1	SHAFT, Arbor, Center (Includes Ref. No. 33)
13	1703273	3	HOUSING, Bottom
14	1664847	18	SCREW, Hex Wash. Hd., Tapite, 5/16-18 x 3/4
15	108219	2	BRACKET ASSY., Front
16	1922109	4	CARRIAGE BOLT, 3/8-16 x 1-1/4
17	1916965	6	LOCKWASHER, 3/8
18	1916950	6	NUT, Hex, Full, 3/8-16
19	1685282	1	HOUSING, 48"
20	108366	1	BAR, Reinforcement
21	108224	1	BRACKET, Roller, L.H.
22	1920562	2	CARRIAGE BOLT, 5/16-18 x 3/4
23	1916622	4	NUT, Hex, Full, 1/4-20
24	1916964	4	LOCKWASHER, 1/4
25	1917377	2	WASHER, Plain, 1/4
26	1925592	2	SCREW, Thd. Forming, 1/4-20 x 3/4
27	1922110	2	CARRIAGE BOLT, 3/8-16 x 3/4
28	108186	2	CLIP, Baffle
29	1921959	2	CAPSCREW, Hex Hd., 1/4-20 x 5/8
30	1674774	1	BAFFLE
31	1917372	2	NUT, Hex, Full, 5/16-18
32	1917356	2	LOCKWASHER, 5/16
33	1672132	3	COLLAR, Mower Arbor

ASSEMBLY PROCEDURE - 48" Mower Housing & Arbor Group

- A. Press (2) bearings (Ref. No. 3) with land riding seal out over shaft (Ref. Nos. 9 & 12) using pressure only on the inner race of the bearing.
- B. Assemble upper and lower arbor housings (Ref. Nos. 7 & 13) over bearings. Must be careful that housings do not cock on bearings. When upper and lower housing flanges come together proper alignment of holes in housing flanges are accomplished by aligning knockouts in lower housing flange with mating holes in upper housing flange. Also half holes in outer edge must match.
- C. Seal between flanges of upper arbor housing and lower arbor housing with gasket eliminator. Remove contaminants, such as grease, heavy oil and dirt from flange surfaces before assembly. Avoid lateral movement between flange surfaces during assembly.

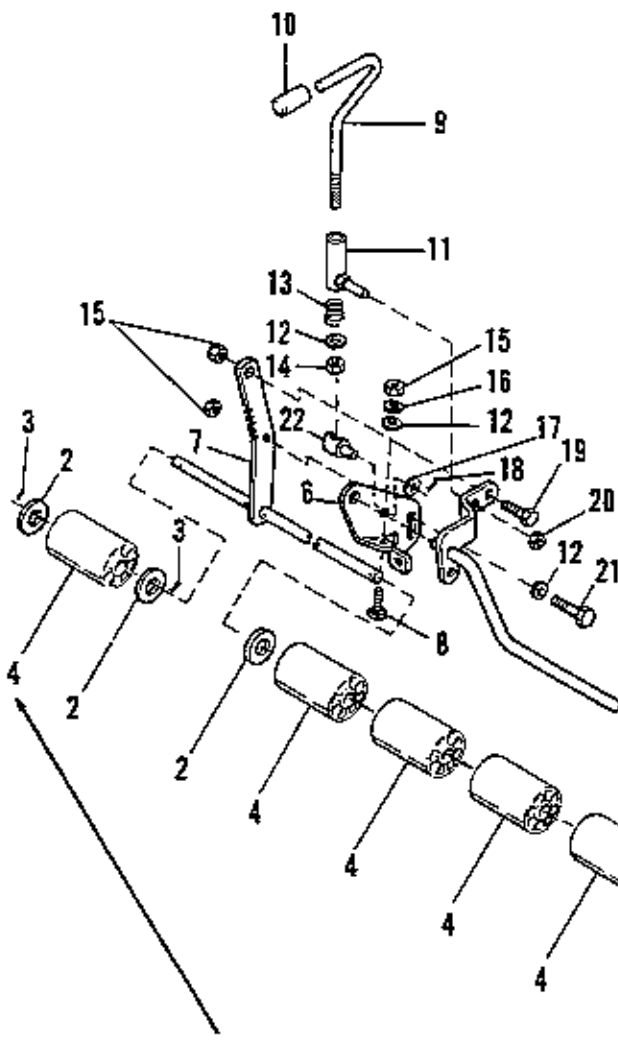
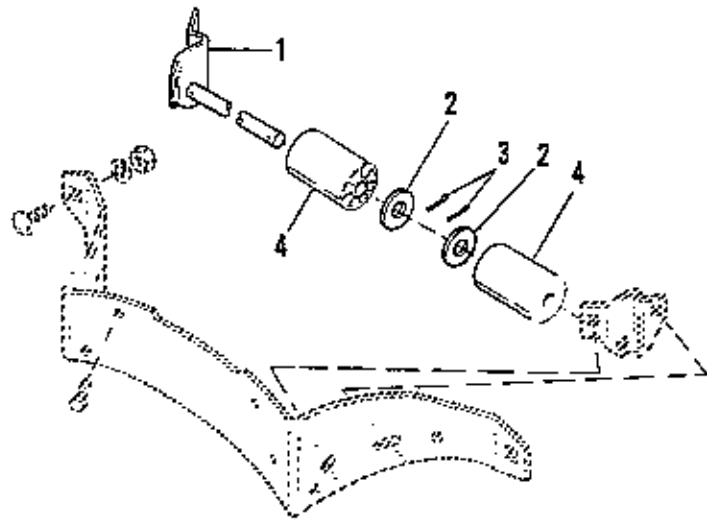
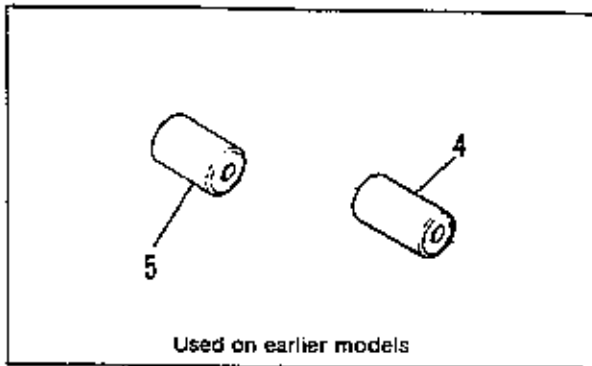
**105 **109
**108 **110



48" Rotary Mower - Cover, Drive & Bail Group

Ref. No.	Part No.	Qty.	Description
1	1929000	14	SCREW, Hex, Tapfit, 1/4-20 x 3/8
2	1679957	1	COVER, R.H.
3	1709067	1	DECAL, Belt Installation
4	1676067	1	COVER, L.H.
5	154304	2	YOKE
6	1919262	2	NUT, Hex, Jam, 1/2-20
7	1676922	2	DECAL, Danger
8	1921176	2	CAPSCREW, Hex Hd., 1/2-13 x 1-1/4
9	105051	2	SPACER
10	1918430	2	WASHER, Plain, 7/16
11	1916966	2	LOCKWASHER, 1/2
12	1916951	2	NUT, Hex, Full, 1/2-13
13	172473	1	BAIL ASSY.
14	1657044	1	BELT, "V", Arbor Drive
15	172015	1	ROCKER ARM ASSY.
16	1704276	1	DECAL, Danger
17	1700230	3	WASHER, Shim
18	1700229	3	SHIELD, Grass
19	1655777	3	ADAPTOR, Blade
20	1916950	2	NUT, Hex, 3/8-16
21	1656143	3	BLADE, 48" Mower
22	1656927	3	WASHER, Spline
23	1656916	3	WASHER, Spring
24	1923491	3	CAPSCREW, Hex Hd., 7/16-14 x 1
25	1917421	2	NUT, Hex, Jam, 3/8-16
26	1916965	2	LOCKWASHER, 3/8
27	1917642	5	WASHER, Plain, 5/16
28	1666294	2	SPACER
29	171815	1	EYEBOLT
* 30	1685144	1	PULLEY ASSY.
31	8171073	1	RACE, Inner
32	1657682	1	BUSHING
33		1	LEVER ASSY., Idler (See Ref. No. 35)
34	1656936	1	SPRING
35	1657684	1	LEVER ASSY., Idler (w/Bushing)
36	1960032	1	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4

*Ret. No. 30 Includes Ref. No. 28.



NOTE: Thread capscrew (Ref. No. 21) into roller bar and lock in place with nut (Ref. No. 15) must have sliding clearance between roller bar and roller bracket after assembled.

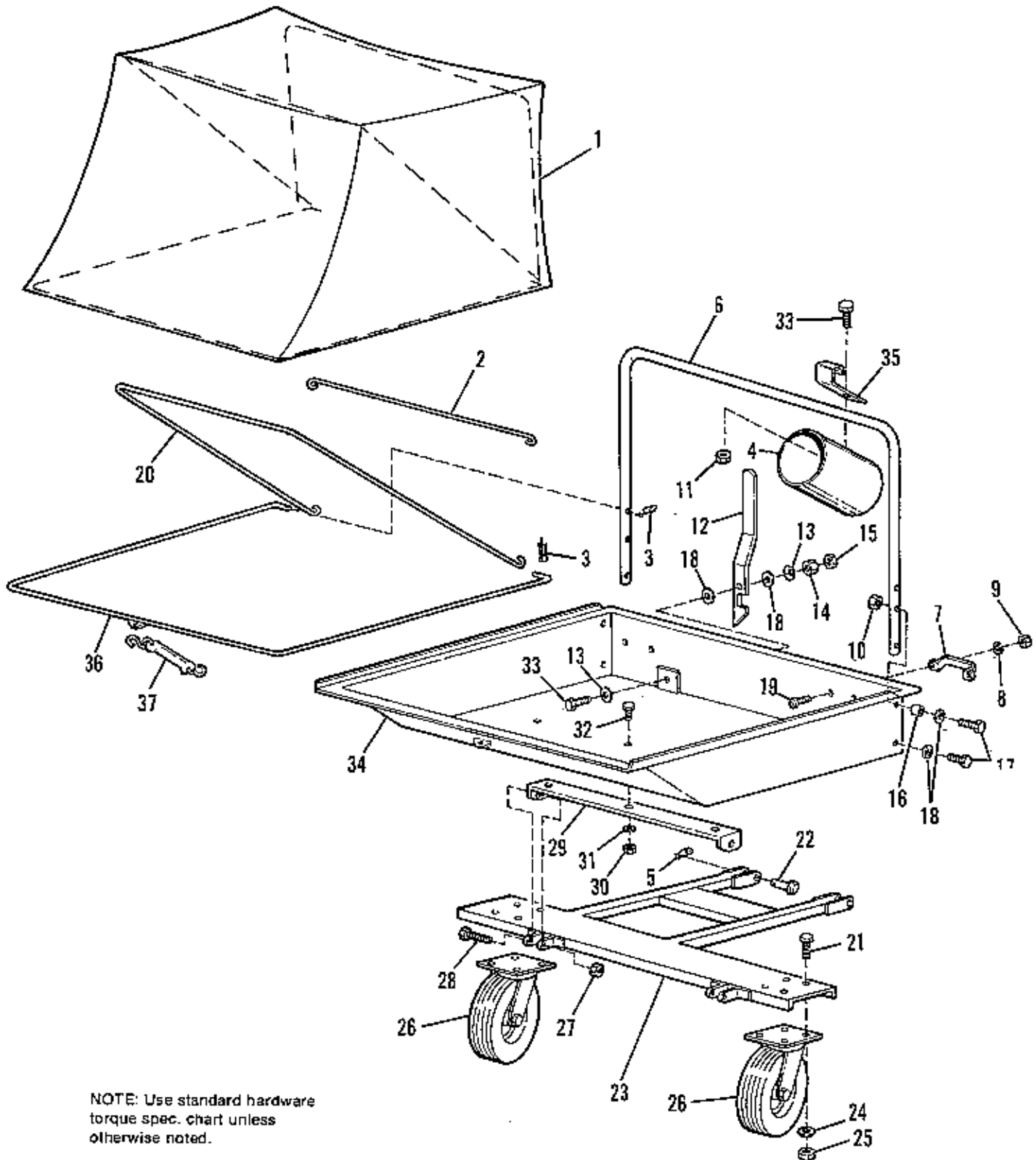
Assemble roller with solid end to outside so no ribs are visible to operator.

NOTE: Use standard hardware torque spec. chart unless otherwise noted.

48" Rotary Mower - Height Adjuster & Rollers Group

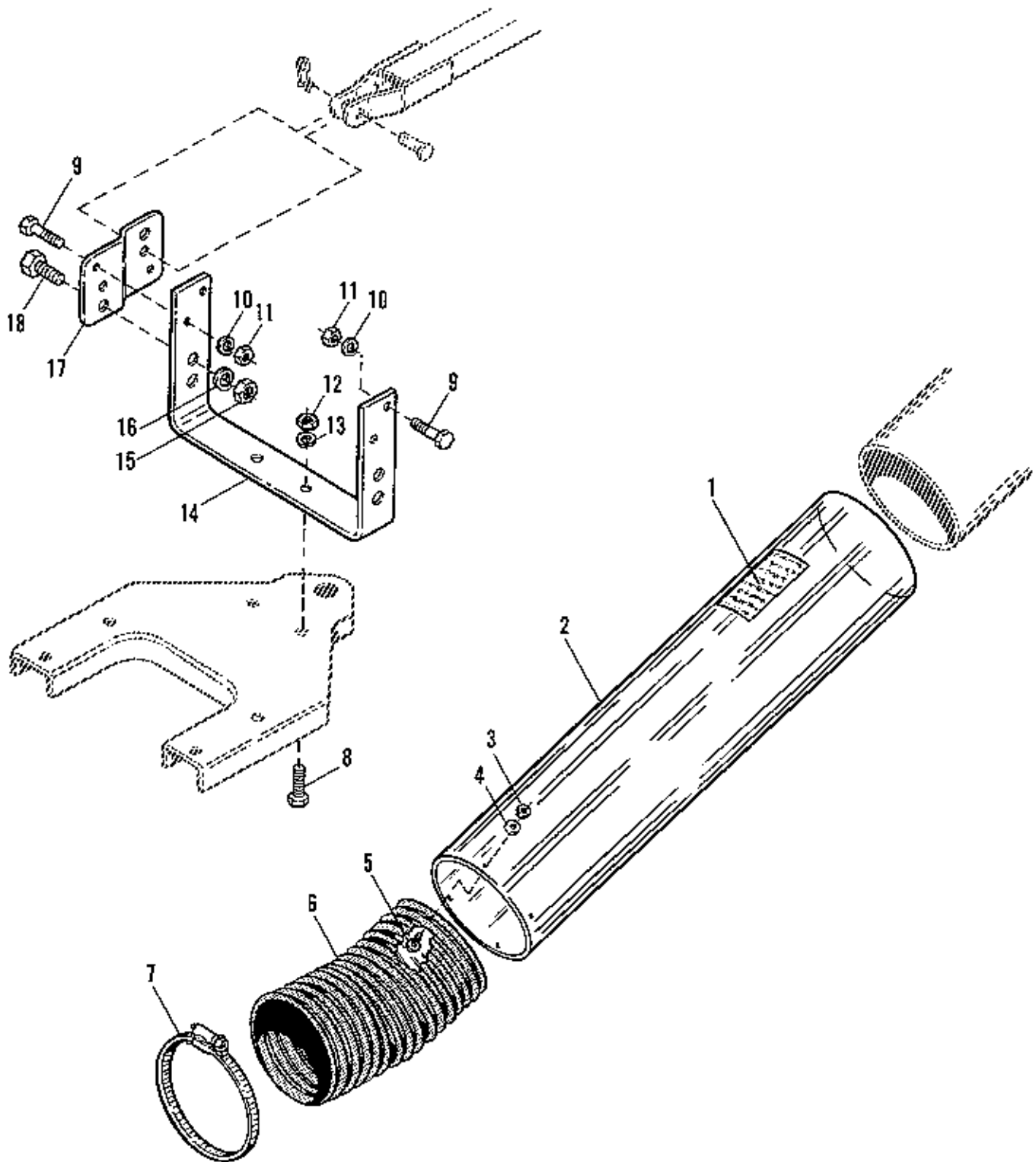
Ref. No.	Part No.	Qty.	Description
1	108454	1	BRACKET & SHAFT ASSY.
2	1919387	8	WASHER, Plain, 5/8
3	1918458	6	PIN, Cotter, 3/16 x 1
4	1668513	11	ROLLER, 2-1/2 x 3-15/16
*5	108432	5	ROLLER, 2-1/2 x 6-3/4
6	172047	1	BRACKET, Roller, R.H.
7	1668541	1	SHAFT ASSY., Roller
8	1922110	4	CARRIAGE BOLT, 3/8-16 x 3/4
9	1650394	2	HANDLE, Adjusting
10	1651820	2	GRIP
11	108241	2	SOCKET ASSY.
12	1917378	6	WASHER, Plain, 3/8
13	108360	2	SPRING
14	1917421	2	NUT, Hex, Jam, 3/8-16
15	1916950	8	NUT, Hex, Full, 3/8-16
16	1916965	4	LOCKWASHER, 3/8
17	1924940	2	WASHER, 3/8
18	1918447	2	PIN, Cotter, 3/32 x 3/4
19	1921210	2	CAPSCREW, Hex Hd., 3/8-16 x 1
20	1930651	2	LOCKNUT, Hex, Full, 3/8-16
21	1935156	2	CAPSCREW, Hex Hd., 3/8-16 x 1
22	108512	2	PIVOT
23-	1657891	1	BAR, Roller
24	172046	1	BRACKET, Roller, L.H.

*Used before Serial no. 9509



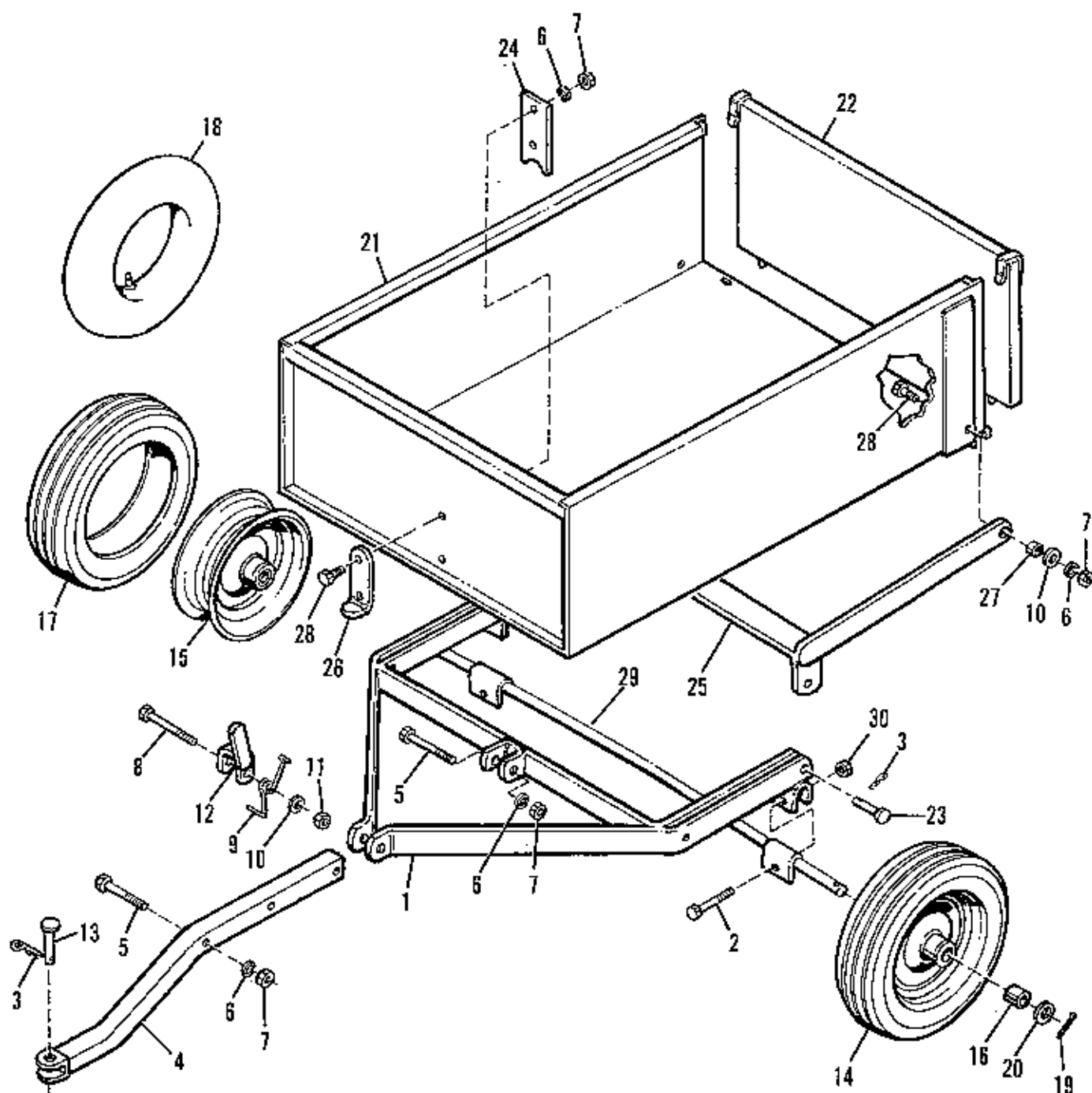
Wide Body Cart Collector - Cart Group

Ref. No.	Part No.	Qty.	Description
1	1700760	1	COVER, White
2	1700763	1	ROD, Straight
3	1708098	2	CLIP
4	1700866	1	SLEEVE, Plastic
5	176012	2	CLIP, Safety
6	1700758	1	TUBE, Support
7	1700768	2	HANDLE, Lift
8	1916964	4	LOCKWASHER, 1/4
9	1916622	4	NUT, Hex, 1/4-20
10	1923362	4	LOCKNUT, Hex, 5/16-18
11	1920397	1	NUT, Nylon Insert, 1/4-20
12	1700765	1	HANDLE, Latch
13	1916966	2	LOCKWASHER, 1/2
14	1917372	1	NUT, Hex, Full, 5/16-18
15	1920161	1	NUT, Hex, Jam, 5/16-18
16	1700267	2	SPACER, Plastic, 5/16
17	1921677	4	CAPSCREW, Hex Hd., 5/16-18 x 1-1/2
18	1919326	6	WASHER, Flat, 5/16
19	1921977	1	CAPSCREW, Hex Hd., 5/16-18 x 1-1/4
20	1700761	1	ROD, Support
21	1921210	8	CAPSCREW, Hex Hd., 3/8-16 x 1
22	102004	2	PIN, Clevis, 1/2 x 1-1/4
23	1700769	1	FRAME
24	1924940	8	WASHER, Flat, 3/8
25	1930651	8	LOCKNUT, Hex, 3/8-16
26	1676892	2	WHEEL, Swivel
27	1922134	2	LOCKNUT, Hex, 1/2-13
28	1921176	2	CAPSCREW, 1/2-13 x 1-1/4
29	1700767	1	"U" BRACKET
30	1917372	3	NUT, Hex, 5/16-18
31	1917356	3	LOCKWASHER, 5/16
32	1918249	3	CAPSCREW, Slotted Truss, 5/16-18 x 3/4
33	1921958	4	CAPSCREW, Slotted Truss, 1/4-20 x 1/2
34	1700757	1	BOX
35	1708099	1	CLAMP, Sleeve
36	1700762	1	ROD, Frame
37	1700766	1	STRAP, Rubber

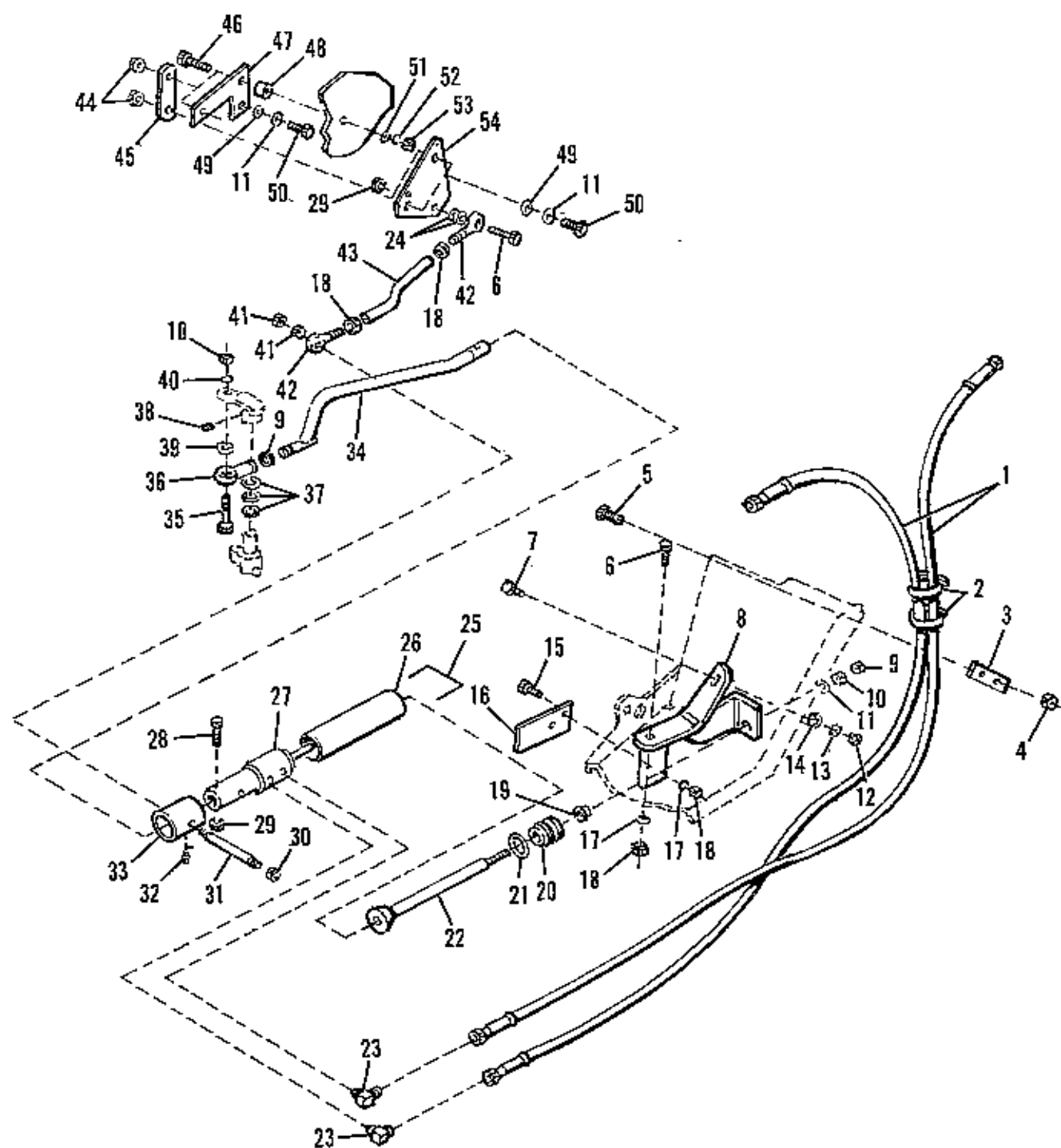


Wide Body Cart Collector - Tube & Hitch Group

Ref. No.	Part No.	Qty.	Description
1	1675766	1	DECAL, Cleaning Instructions
2	1700773	1	TUBE ASSY., (Incl. Ref. No. 1)
3	1930627	4	NUT, Hex, Full, Lock, #10-32
4	1923212	4	WASHER, Plain, #10
5	1930531	4	SCREW, Phillips, Truss Hd., #10-32 x 1/2
6	1679895	1	HOSE
7	1679896	1	CLAMP, 6"
8	1921176	2	CAPSCREW, Hex, 1/2-13 x 1-1/14
9	1921212	4	CAPSCREW, Hex, 7/16-14 x 1-1/2
10	1918199	4	LOCKWASHER, 7/16
11	1918213	4	NUT, Hex, Full, 7/16
12	1916951	2	NUT, Hex, Full, 1/2-13
13	1916966	2	LOCKWASHER, 1/2
14	1675645	1	BRACKET, Hitch (Frame)
15	1915726	2	NUT, Hex, Full, 5/8
16	1917373	2	LOCKWASHER, 5/8
17	1700674	2	BRACKET, Hitch (Cart)
18	1923151	2	CAPSCREW, Hex, 5/8-11 x 1-1/4

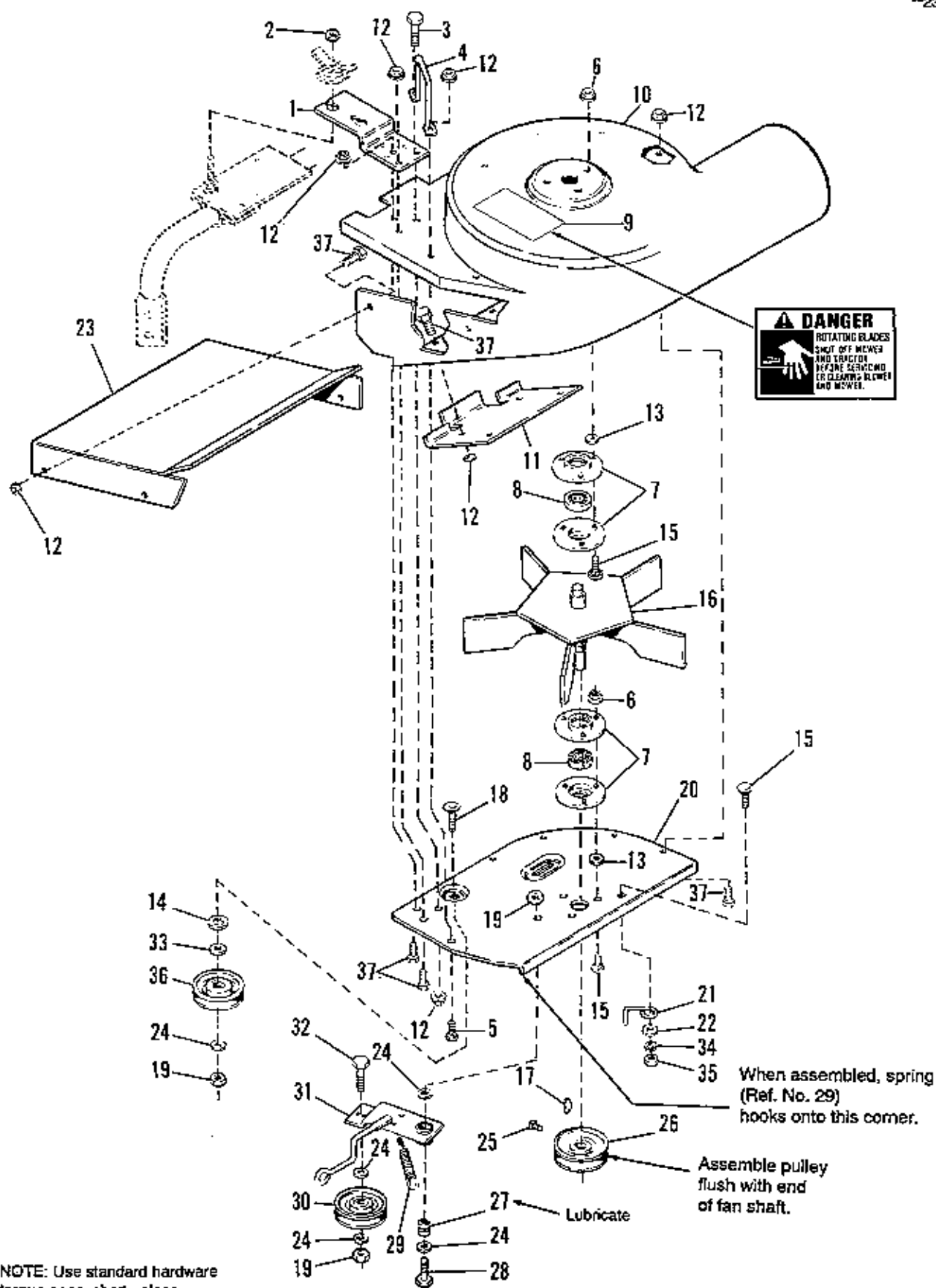


Ref. No.	Part No.	Qty.	Description
1	102035	1	FRAME ASSY.
2	917398	2	CAPSCREW, Hex, 5/16-18 x 1-3/4
3	8161045	3	CLIP, Hairpin
4	102037	1	TONGUE ASSY.
5	919362	2	CAPSCREW, Hex, 3/8-16 x 2-1/4
6	916965	6	LOCKWASHER, 3/8
7	916950	6	NUT, Hex, Full, 3/8-16
8	930598	1	CAPSCREW, Hex, 3/8-16 x 2-3/4
9	102075	1	SPRING, Torsion
10	917378	3	WASHER, Flat, 3/8
11	923428	1	NUT, Hex, Full, 3/8-16
12	102051	1	CLEVIS ASSY.
13	105249	1	PIN
14	1713992	2	WHEEL & TIRE ASSY. (Incl. Ref. Nos. 15, 16, 17 & 18)
15	1713993	2	WHEEL
16	156316	2	BEARING
17	1713994	2	TIRE
18	153038	2	TUBE
19	918459	2	PIN, Cotter, 3/16 x 1-1/2
20	918433	2	WASHER, Flat, 3/4
21	102002	1	BODY, Trailer
22	102003	1	GATE, End
23	102004	2	PIN, Pivot
24	102005	1	PLATE, Box Guide
25	102024	1	BOX PIVOT ASSY.
26	102040	1	PLATE, Box Catch
27	815076	2	BUSHING
28	907731	2	CAPSCREW, Hex, 3/8-16 x 1
29	102027	1	AXLE ASSY.
30	923362	2	LOCKNUT



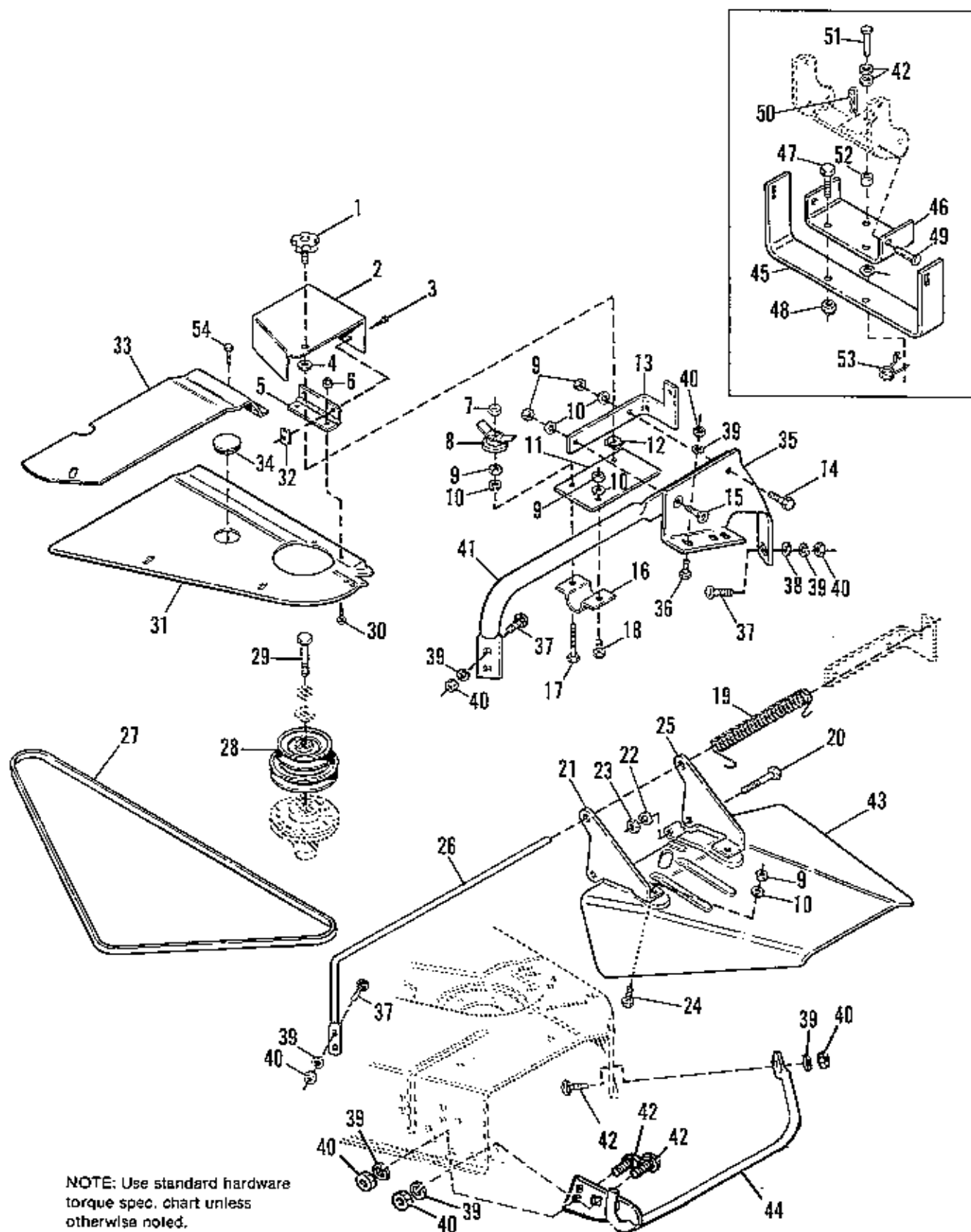
Power Steering Kit

Ref. No.	Part No.	Qty.	Description
1	1676688	2	HOSE, Hydraulic
2	1676698	4	TIE
3	1676703	1	CLAMP, Hose
4	923358	1	LOCKNUT, 1/4-20
5	908297	1	BOLT, 1/4-20 x 1-1/4
6	1700875	2	BOLT, 3/8-24 x 1-1/4, Gr. 8
7	1921212	1	BOLT, 7/16-14 x 1-1/4, Gr. 5
8	1708194	1	BRACKET, Cylinder
9	919262	2	JAM NUT, 1/2-20
10	919423	2	NUT, 1/2-20
11	924361	4	WASHER, Flat, 1/2 x 1-1/8 x 5/64
12	918213	1	NUT, 7/16-13
13	918199	1	LOCKWASHER, 7/16
14	1925125	2	WASHER, Flat, 7/16
15	927008	2	BOLT, 3/8-24 x 1, Gr. 8
16	1676706	1	MOWER STOP
17	916965	3	LOCKWASHER, 3/8
18	916602	5	NUT, 3/8-24
19	1676705	1	BUSHING, Flanged
20	1676850	1	GLAND ASSY.
21	1676851	1	LOCK WIRE
22	1676849	1	PISTON & ROD ASSY.
23	1676693	2	FITTING
24	1960103	2	WASHER, Flat, 3/8 x 3/4
25	1708193	1	CYLINDER VALVE ASSY.
26	1676852	1	CYLINDER TUBE
27	1708197	1	VALVE
28	927322	1	BOLT, 3/8-24 x 2, Gr. 8
29	1668927	2	LOCKNUT, 3/8-24
30	1930651	1	LOCKNUT, Centerlock, 3/8-16
31	1676844	1	ACTUATOR STUD
32	1676848	1	GREASE FITTING
33	1676845	1	ACTUATOR SLEEVE
34	1676690	1	CYLINDER EXTENSION
35	1676708	1	BOLT, 1/2-20 x 1-1/4
36	1676697	1	BALL JOINT
37	1960114	3	WASHER, Special
38	930544	1	SETSCREW, 5/16-18 x 3/8
39	1676704	1	SPACER
40	916966	1	LOCKWASHER, 1/2
41	916950	2	NUT, 3/8-16
42	1676696	2	BALL JOINT
43	1676707	1	DRAG LINK
44	930245	3	LOCKNUT, 1/2-20
45	1676701	1	ROCKER LINK
46	922127	2	BOLT, 5/16-18 x 1-3/4
47	1676699	1	PIVOT PLATE
48	1676700	2	SPACER
49	1676702	3	BUSHING
50	924119	3	BOLT, 1/2-20 x 1-1/4, Gr. 5
51	919326	2	WASHER, Flat, 5/16 x 3/4
52	917356	2	LOCKWASHER, 5/16
53	917372	2	NUT, 5/16-18
54	1676691	1	CARRIER



48" Mower Driven Vacuum System - Blower Group




Ref. No.	Part No.	Qty.	Description
1	1679891	1	MOUNTING PLATE
2	1923341	2	CAPSCREW, Hex Hd., 1/4-20 x 3/4
3	1960346	1	CAPSCREW, Hex Hd., Full Thread, 1/4-20 x 2-1/4
4	1700936	1	STOP, Deflector
5	1924009	1	CAPSCREW, Hex Hd., 1/4-20 x 7/8
6	1927557	6	NUT, Flange Lock, 5/16-18
7	1665982	4	RETAINER, Bearing
8	108202	2	BEARING
9	1700259	1	DECAL, Warning
10	1706654	1	TURBO HOUSING (Incl. Ref. No. 29)
11	1679900	1	HOOK, Stoneguard
12	1930641	17	NUT, Hex, Flange Whiz, 1/4-20
13	1933988	6	PUSHNUT, 5/16
14	1676435	1	WASHER, Plain, 1/2
15	1931333	7	CARRIAGE BOLT, 5/16-18 x 3/4
16	1706631	1	FAN ASSY., 5-Blade
17	960403	1	KEY, Modified
18	1960268	1	CARRIAGE BOLT, 3/8-16 x 1-1/4
19	1928731	3	LOCKNUT, Jam, 3/8-16
20	1706652	1	PLATE, Shroud
21	170397	1	BELT STOP
22	1919326	1	WASHER, 11/32
23	1702553	1	COVER, Top
24	1924940	5	WASHER, 13/32
25	1928691	1	SETSCREW, Socket Hd., 5/16-18 x 5/16
26	1706634	1	PULLEY, Driven
27	1666114	1	SPACER
28	1921969	1	CAPSCREW, Hex, 3/8-16 x 1-1/2
29	1679554	1	SPRING
30	174561	1	PULLEY, "V"
31	1701827	1	IDLER ARM ASSY.
32	1921210	1	CAPSCREW, Hex, 3/8-16 x 1
33	157424	1	WASHER, Special
34	1917356	1	LOCKWASHER
35	1917372	1	NUT, 5/16
36	1708030	1	PULLEY, Idler
37	1921959	13	CAPSCREW, Hex Hd., 1/4-20 x 5/8



48" Mower Driven Vacuum System - Cover & Support Group

Ref. No.	Part No.	Qty.	Description
1	1700669	1	KNOB, Plastic
2	1709326	1	COVER ASSY., Belt (Incl. Ref. Nos. 3, 6 & 7)
3	1922122	2	SCREW, Hex Hd., Thread Forming, #10-1/2
4	1933988	1	PUSHNUT, 5/16
5	1700649	1	HINGE
6	1928919	2	NUT, Hex #10-32
7	1923362	1	LOCKNUT, Hex, Full, 5/16-18
8	1679163	1	WING NUT ASSY.
9	1917372	6	NUT, Hex, Full, 5/16-18
10	1917356	6	LOCKWASHER, 5/16
11	1700638	1	CLAMP, Upper
12	1935255	1	PAL NUT
13	1700797	1	PIVOT ASSY., Deflector
14	1921977	1	CAPSCREW, Hex, 5/16-18 x 1-1/4
15	1960486	1	CAPSCREW, Hex, Flat Socket Hd., 5/16-18 x 1-1/4
16	1679898	1	CLAMP, Lower
17	1960318	1	CAPSCREW, 5/16-18 x 2-1/2
18	1925205	1	CAPSCREW, Hex, 5/16-18 x 5/8
19	1700851	1	SPRING, Torsion
20	1926110	2	CAPSCREW, Hex, 7/16-14 x 2-3/4
21	1700801	1	PIVOT BRACKET, L.H.
22	1918199	2	LOCKWASHER, 7/16
23	1918213	2	NUT, Hex, Full, 7/16-14
24	1923325	2	CAPSCREW, Hex, 5/16-18 x 7/8
25	1700802	1	PIVOT BRACKET, R.H.
26	1700800	1	ROD, Hinge
27	1679914	1	V-BELT (48.7")
28	1709335	1	PULLEY ASSY.
29	1927120	1	CAPSCREW, Hex, 7/16-14 x 2-1/4
30	922121	2	SCREW, Round Hd., #10-32 x 3/8
31	1700013	1	COVER, L.H.
32	1933741	2	SPEED NUT, #10
33	1709328	1	COVER, L.H.
34	1674020	1	PLUG, Mower Cover
35	1709327	1	BRACKET, Support
36	1921210	3	CAPSCREW, Hex Hd., 3/8-16 x 1
37	1931350	8	CARRIAGE BOLT, 3/8-16 x 1
38	1924940	1	WASHER, Plain, 3/8
39	1916965	11	LOCKWASHER, 3/8
40	1916950	11	NUT, Hex, 3/8-16
41	1677651	1	BRACE, Bracket Support
42	1960170	3	WASHER, Plain, 1/2 x 1 x 1-3/64
43	1677157	1	DEFLECTOR ASSY.
44	1677261	1	STONE GUARD
45	1708067	1	"U" BRACKET
46	1709324	1	ADAPTER, "U" Bracket
47	1920328	2	CAPSCREW, Hex Hd., 1/2-13 x 1-1/2
48	1960335	2	NUT, Hex, Esna Lock, 1/2-13
49	155037	2	PIN, Round Hd., 7/16 X 1-3/4
50	1960033	2	CLIP, Hairpin
51	1960084	1	PIN, Yoke, 1/2 x 1-7/8
52	1669565	1	SPACER, 1/2 I.D. x 3/4 O.D. x 11/16
53	176012	1	CLIP, Safety
54	1929000	2	SCREW, Hex, Tapite, 1/4-20 x 3/8
Not Shown	1918452	2	COTTER PIN, 1/8 x 1 (For bail arm pivot pins)

**TORQUE SPECIFICATIONS FOR
STANDARD MACHINE HARDWARE
TOLERANCE $\pm 20\%$**

SIZE	SAE GRADE #2 		SAE GRADE #5 		SAE GRADE #8 	
	<u>In./Lbs.</u> Ft./Lbs.	Nm.	<u>In./Lbs.</u> Ft./Lbs.	Nm.	<u>In./Lbs.</u> Ft./Lbs.	Nm.
8-32	19	2.1	30	3.4	41	4.6
8-36	20	2.3	31	3.5	43	4.9
10-24	27	3.1	43	4.9	60	6.8
10-32	31	3.5	49	5.5	68	7.7
1/4-20	66	7.6	8	10.9	12	16.3
1/4-28	76	8.6	10	13.6	14	19.
5/16-18	11	15.	17	23.1	25	34.
5/16-24	12	16.3	19	25.8	25	34.
3/8-16	20	27.2	30	40.8	45	61.2
3/8-24	23	31.3	35	47.6	50	68.
7/16-14	30	40.8	50	68.	70	95.2
7/16-20	35	47.6	55	74.8	80	108.8
1/2-13	50	68.	75	102.	110	149.6
1/2-20	55	74.8	90	122.4	120	163.2
9/16-12	65	88.4	110	149.6	150	204.
9/16-18	75	102.	120	163.2	170	231.2
5/8-11	90	122.4	150	204.	220	299.2
5/8-18	100	136.	180	244.8	240	326.4
3/4-10	160	217.6	260	353.6	386	525.
3/4-16	180	244.8	300	408.	420	571.2
7/8-9	140	190.4	400	544.	600	816.
7/8-14	155	210.8	440	598.4	660	897.6
1-8	220	299.2	580	788.8	900	1,224.
1-12	240	326.4	640	870.4	1,000	1,360.

NOTE:

- These torque values are to be used for all hardware excluding: locknuts, self-tapping screws, thread forming screws, sheet metal screws and socket head setscrews.
- Recommended seating torque values for locknuts:
 - For prevailing torque locknuts - use 65% of grade 5 torques.
 - For flange whizlock nuts (and screws) - use 135% of grade 5 torques.
- Unless otherwise noted on assembly drawings all torque values must meet this specification.

**BOLT HEAD MARKING
S.A.E. GRADE:**



Simplicity

Outdoor Power
Equipment

SIMPLICITY MANUFACTURING, INC. • 500 N. Spring Street, P.O. Box 997 • Port Washington, WI 53074-0997

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